CONSTRUCTION NEWS

PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

WATERWORKS

Bids Close		See Eng. News-Record
Aug. 8	Hammond, Ind.	July 21
Aug. 8	Westwego, La.	July 21
Aug. 8	Bay City, Mich. Adv. July 21, 28 and Aug. 4.	July 28
Aug. 12	Dallas, Tex. Adv. July 21, 28 and Aug. 4.	July 21
Aug. 12	Hammond, Ind. Adv. Aug. 4.	Aug. 4
Aug. 15	Allegan, Mich. Adv. July 28 and Aug. 4.	July 28
Aug. 15	Atwater, Minn.	Aug. 4
Aug. 15	Idlewood, O.	Aug. 4
Aug. 18	Joplin, Mo.	Aug. 4
Aug. 18	Tulsa, Okla.	Aug. 4
Sept. 1	Verona, Pa.	July 21

SEWERS

Aug. 8	Lebanon, Pa.	July 21
Aug. 8	Indianola, Ia. Adv. July 28 and Aug. 4.	July 28
Aug. 8	Mexico, Mo.	July 28
Aug. 8	St. George, S. I., N. Y.	Aug. 4
Aug. 8	Long Island City, N. Y.	Aug. 4
Aug. 8	Mexico, Mo.	Aug. 4
Aug. 9	New York, N. Y.	July 21
Aug. 9	Independence, Mo. Adv. July 28 and Aug. 4.	July 28
Aug. 9	Columbus, O.	July 28
Aug. 9	Woodbury, N. J.	July 28
Aug. 9	St. Joseph, Mo.	Aug. 4
Aug. 10	Maplewood, Mo.	July 21
Aug. 11	Mt. Vernon, Ill.	July 21
Aug. 11	Excelsior Springs, Mo.	Aug. 4
Aug. 12	Long Island City, N. Y.	Aug. 4
Aug. 15	Toronto, Ont.	Aug. 4
Aug. 17	Indianapolis, Ind. Adv. July 28 and Aug. 4.	July 28

BRIDGES

Aug. 8	Missouri	July 28
Aug. 9	St. Louis, Mo.	July 21
Aug. 9	Wichita, Kan.	Aug. 4
Aug. 9	Quitman, Tex.	Aug. 4
Aug. 10	Council Groves, Kan.	Aug. 4
Aug. 11	Strawn, Tex.	July 28
Aug. 12	Jeffersonville, Ga.	July 28
Aug. 12	Palo Pinto, Tex.	Aug. 4
Aug. 12	Hempton, Ia.	Aug. 4
Aug. 15	Columbus, O.	July 21
Aug. 15	Burlington, Wis.	July 21
Aug. 15	Progress, Pa.	Aug. 4
Aug. 17	Rochester, Ky. Adv. July 21, 28 and Aug. 4.	July 21
Aug. 17	Denville, N. J. Adv. Aug. 4.	Aug. 4
Aug. 18	Gaffney, S. C.	Aug. 4
Aug. 19	Cobbleskill, N. Y. Adv. Aug. 4.	Aug. 4
Aug. 23	Trenton, N. J. Adv. July 28 and Aug. 4.	July 28
Aug. 30	Kelso, Wash.	July 28
Sept. 7	Kingman, Kan.	June 30

EXCAVATION AND DREDGING

Aug. 10	Ottumwa, Ia.	July 7
Aug. 15	Harlan, Ia.	Aug. 4
Aug. 25	Benton, Mo. Adv. Aug. 4.	Aug. 4

STREETS AND ROADS

Aug. 7	New York, N. Y.	Aug. 4
Aug. 8	Caro, Mich.	July 28
Aug. 8	Missouri	July 28
Aug. 8	Los Angeles, Cal.	July 28
Aug. 8	So. Pasadena (Pasadena P. O.), Cal.	July 28
Aug. 8	Menominee, Mich.	Aug. 4
Aug. 8	Newberry, Mich.	Aug. 4
Aug. 8	Louisiana	Aug. 4
Aug. 8	St. Paul, Minn.	Aug. 4
Aug. 8	Corpus Christi, Tex.	Aug. 4
Aug. 8	Groesbeck, Tex.	Aug. 4
Aug. 8	Toronto, Ont.	Aug. 4
Aug. 8	Milwaukee, Wis.	Aug. 4
Aug. 8	Brainerd, Minn.	Aug. 4
Aug. 9	Syracuse, Kan.	July 7
Aug. 9	Charleston, S. C.	July 21
Aug. 9	Trenton, N. J. Adv. July 21, 28 and Aug. 4.	July 21
Aug. 9	Duluth, Minn.	July 21
Aug. 9	Rochester, Minn.	July 28
Aug. 9	Missouri	July 28
Aug. 9	Trenton, Mo.	Aug. 4
Aug. 9	Perryville, Mo.	Aug. 4
Aug. 9	Warrentown, Mo.	Aug. 4
Aug. 9	Algona, Ia.	Aug. 4
Aug. 9	Des Moines, Ia.	Aug. 4
Aug. 9	New York, N. Y.	Aug. 4
Aug. 9	Paris, Tex.	Aug. 4
Aug. 9	Grand Rapids, Minn.	Aug. 4
Aug. 9	St. Joseph, Mo.	Aug. 4
Aug. 9	Aberdeen, S. D.	Aug. 4
Aug. 10	Council Grove, Kan.	July 21
Aug. 10	Sandusky, Mich.	July 28
Aug. 10	Fargo, N. D.	July 28
Aug. 10	Bellaire, O.	July 28
Aug. 10	Mankato, Minn.	July 28
Aug. 10	Wisconsin	Aug. 4
Aug. 10	Richmond, Tex.	Aug. 4
Aug. 10	Sault Ste. Marie, Mich.	Aug. 4
Aug. 10	Richmond, Tex.	Aug. 4
Aug. 10	Long Island City, N. Y.	Aug. 4
Aug. 10	New York, N. Y.	Aug. 4
Aug. 11	Virginia	Aug. 4
Aug. 11	Excelsior Springs, Mo.	Aug. 4
Aug. 12	Iola, Kan.	July 21
Aug. 12	New York Adv. July 28 and Aug. 4.	July 28
Aug. 12	Nova Scotia	Aug. 4
Aug. 12	Cameron, Tex.	Aug. 4
Aug. 15	Montreal, Que.	Aug. 4
Aug. 15	Camden, S. C.	Aug. 4
Aug. 15	Palo Pinto, Tex.	Aug. 4
Aug. 16	Albany, N. Y. Adv. July 28 and Aug. 4.	July 28
Aug. 16	New York	Aug. 4
Aug. 17	New Jersey Adv. July 28 and Aug. 4.	July 28
Aug. 17	Missouri	Aug. 4
Aug. 18	Richwood, W. Va.	July 28
Aug. 18	Missouri	Aug. 4
Aug. 20	Cedarburg, Wis.	July 28
Aug. 20	Brainerd, Minn.	Aug. 4
Aug. 23	Worthington, Minn.	Aug. 4
Aug. 23	Anoka, Minn.	Aug. 4
Aug. 24	Delaware Adv. Aug. 4.	Aug. 4
Aug. 26	Wellington, Kan.	Aug. 4
Aug. 30	Troy, Kan.	Aug. 4
Aug. 31	Hiawatha, Kan.	Aug. 4
Sept. 2	Ottawa, Kan.	Aug. 4

INDUSTRIAL WORKS

Aug. 9	Dickinson, N. D.	July 28
Aug. 9	Elyria, O.	Aug. 4
Aug. 14	Victoria, Australia	June 2
Aug. 15	Joliet, Ill.	Aug. 4
Aug. 16	Ossining, N. Y. Adv. Aug. 4.	Aug. 4
Aug. 17	Columbus, O.	Aug. 4

BUILDINGS

Aug. 8	Magee, Miss.	July 14
Aug. 8	Alliance, O.	July 21
Aug. 8	West Allis, Wis.	July 28
Aug. 8	Gardner, Mass.	Aug. 4
Aug. 9	Ironwood, Mich.	July 14
Aug. 9	Cleveland, O.	Aug. 4
Aug. 9	Wichita, Kan.	Aug. 4
Aug. 9	Elyria, O.	Aug. 4
Aug. 9	Hamilton, Ont.	Aug. 4
Aug. 10	Abilene, Kan.	July 21
Aug. 11	Asheville, O.	July 14
Aug. 12	Augusta, Ga.	July 28
Aug. 15	Cleveland, O.	July 28
Aug. 15	Kerrville, Tex.	July 28
Aug. 15	San Antonio, Tex.	July 28
Aug. 15	Kankakee, Ill.	Aug. 4
Aug. 15	Phila., Pa.	Aug. 4
Aug. 16	Rapid City, S. D.	July 28
Aug. 16	Detroit, Mich.	July 28
Aug. 16	North Judson, Ind.	Aug. 4
Aug. 16	Nashville, Tenn.	Aug. 4
Aug. 18	Ithaca, N. Y. Adv. July 28 and Aug. 4.	July 28
Aug. 20	Springfield, Mo.	July 28
Aug. 22	Houston, Tex.	July 28
Aug. 22	Meadville, Pa.	July 28
Aug. 22	Cleveland, O.	Aug. 4
Aug. 27	Augusta, Kan.	July 21
Aug. 29	Cleveland, O.	Aug. 4
Aug. 30	Mt. Vernon, Ind.	Aug. 4
Sept. 1	Bascom, O.	Aug. 4
Sept. 6	Lincoln, Neb.	July 21
Sept. 9	Ravenna, O.	Aug. 4
Oct. 1	Williamsport, Pa.	Aug. 4

FEDERAL GOVERNMENT WORK

Bids Close		See Eng. News-Record
Aug. 9	Riprap, Baltimore, Md.	Aug. 4
Aug. 10	Mailing Vestibule—Mason City, Ia.	July 21
Aug. 10	Water and Sewer Systems, Yorktown, Va.	Aug. 4
Aug. 10	Water Tanks and Towers, Yorktown, Va.	Aug. 4
Aug. 11	Cement, Memphis, Tenn Adv. Aug. 4.	Aug. 4
Aug. 15	Post Office, etc. — Globe, Ariz.	July 21
Aug. 15	Dredging Sleeves—Portland, Ore.	July 28
Aug. 15	Hospital—Norfolk, Va.	Aug. 4
Aug. 16	Riprap, Baltimore, Md.	Aug. 4
Aug. 17	Chimney—Bellvue, D. C.	Aug. 4
Aug. 18	Dredging, etc. — Buffalo, N. Y. Adv. July 21, 28 and Aug. 4.	July 21
Aug. 19	Mezzanine Floor, Appleton, Wis. Adv. Aug. 4.	Aug. 4
Aug. 22	Dredging—Detroit, Mich. Adv. July 28 and Aug. 4.	July 28
Aug. 22	Dredging—Phila., Pa. Adv. July 21, 28 and Aug. 4.	July 28
Aug. 22	Buildings—Norfolk, Va.	Aug. 4
Aug. 23	Building, Wash., D. C.	Aug. 4
Aug. 30	Hospital—Lake City, Fla.	Aug. 4
Aug. 31	Dredging, Detroit, Mich. Adv. Aug. 4.	Aug. 4
Sept. 14	Pumping Units — Denver, Colo. Adv. July 28 and Aug. 4.	July 28

MISCELLANEOUS

Aug. 8	Road Machine, West Allis, Wis.	Aug. 4
Aug. 8	Truck, Franklin (R. F. D. from Virginia), Minn.	Aug. 4
Aug. 9	Pipe, Montreal, Que.	Aug. 4
Aug. 9	Paving Blocks, New York, N. Y.	Aug. 4
Aug. 10	Straight Pipe and Special Castings, Milwaukee, Wis.	Aug. 4
Aug. 10	Heating System, Wash., D. C. Adv. Aug. 4.	Aug. 4
Aug. 10	Sewer Pipe—Milwaukee, Wis.	Aug. 4
Aug. 15	Center Bearing, etc., New Haven, Conn. Adv. Aug. 4.	Aug. 4
Aug. 15	Cargo Shed and Bulkhead, Wilmington, Del.	Aug. 4
Aug. 16	Inspection Shed, Brooklyn, N. Y.	Aug. 4
Aug. 17	Jib Cranes — Brooklyn, N. Y. Adv. July 21, 28 and Aug. 4	July 21
Aug. 18	Test Borings—Phila., Pa.	July 28
Aug. 20	Piers and Abutments—Dayton, O.	July 21
Aug. 23	Incinerators, Phila., Pa. Adv. July 28 and Aug. 4.	Aug. 4
Aug. 26	Ferry Landing—Palmyra, N. J.	Aug. 4
Aug. 26	Breakwater—Ft. William, Ont.	Aug. 4

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

N. J., Gloucester — See "Streets and Roads."

Pa., Phila.—City plans to build water tower, also tank 40 ft. in diam., 125 ft. high, brick, stone and slate, at Belmont pumping station. About $175,000. G. Brown City Hall, engr.

O., Germantown—See "Sewers."

O., Lakewood — City plans to construct 24 in. c.i. water mains in Clifton Blvd. from Warren Rd. to Highland Ave. and in Warren Rd. from Clifton to Detroit Aves. About $143,800. E. A. Fisher, City Hall, engr.

O., Sidney—City receives bids about Aug. 15, extending waterworks system, involving 20.5 ton 4 in., 126 ton 6 in., 211.2 ton 8 in. and 167.6 ton 10 in. pipe, 19,000 lb. specials, eighty-two 4-10 in. valves, 82 valve boxes and 21 fire hydrants. B. Coulson, city engr.

Ill., Centralia—City plans to build 1,200 ft. 4 8 in. water mains. About $75,000. H. G. McCormick, mayor. L. W. Lemon, Centralia, engr. Noted May 19.

Ill., Kewanee—City having plans prepared building 6 in. c.i. water mains in south Lang, Gilbert and George Aves. About $25,000. J. Palmer, City Hall, engr.

Ill., South Pekin—City, c/o J. S. Hill, mayor, having plans prepared for waterworks plant and new mains in various streets. About $40,000. B. F. Smith, South Pekin, engr.

Mo., Fairfax—City election soon to vote on $40,000 bonds for waterworks and sewers. E. T. Archer Co., Kansas City, engrs.

N. D., Fargo—City plans to enlarge mixing chamber at filtration plant, equip 2 filter units and purchase electric pump. About $30,000. R. T. Jacobson, city engr.

BIDS DESIRED

O., Idlewood—Until Aug. 15, by village, installing c.i. water mains in Silsby Rd. from Taylor to Warrenville Center Rds. About $25,000. F. A. Pease Eng. Co., Marshall Bldg., Cleveland, engrs.

Ind., Hammond—Until Aug. 12, by Bd. Pub. Wks., constructing and erecting 15,000,000 gal. pumping engine. J. Ericson, 30 North La Salle St., Chicago, Ill., consult. engr.; advertised in this issue.

Minn., Atwater—Until Aug. 15, by City, extending water mains, involving 8,900 lin. ft. 4 in. c.i. pipe, nineteen 4-6 in. gate valves, 12 hydrants and 3,330 lb. special castings. About $15,000. Engineer not announced.

Mo., Hayti—Until Aug. 8, by city, constructing 2 wells 100 ft. deep, 2 triplex pumps direct connected to 15 hp. oil engines, 3,000 ft. 4-6 in. c.i. pipe, 30,000 gal. capacity steel tank on 100 ft. steel tower. About $30,000. A. C. Moore, 1710 Murphy Bldg., Joplin, engr. Noted May 19.

Okla., Tulsa—Until Aug. 18, by Bd. Comrs. at office city auditor, for pump, cost $7,000, filter units and equipment, $56,000; settling basin, buildings, pipe work, etc., $86,373.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★Pa., Phila.—City let contract laying 36 in water pipe in 22nd St. from York to Ridge Aves. also 36 and 48 in. pipe from 7th St. and York Ave. to Girard Ave. and Marshall St., to A. J. Ellis, Phila., $25,850 and $45,690 respectively; also furnishing and installing coal handling equipment for Torresdale pumping station, to Specialty Eng. Co., Pennsylvania Bldg., $13,945.

★O., Akron—City let contract constructing 3 mi. pipe line together with appurtenances between Cuyahoga River Crossing south of Kent and Tallmadge Center, Contr. 207, to East Jersey Pipe Co., 350 21st Ave., Paterson, N. J., $248,584. Unit prices on this project may be obtained upon writing Engineering News-Record. Noted July 14.

★O., Cleveland Heights (Cleveland P. O.)—Consolidated Allotment Co. let contract constructing water mains and sewers in Grosvenor and Cummins Rds., involving 1,800 ft. 10 in. and 4,020 ft. 12-30 in. vitr. tile pipe, to Hadded-Mall Co., The Arcade, Cleveland, $33,417.

O., Garfield Heights (Garfield P. O.)—Village received bids installing 11,955 ft. 8 in. c.i. water mains in Turney Rd., from N. Iafornar, 3218 Murray Hill Rd., Cleveland, $45,248; Post Constr. Co., Fairchild Ave., Cleveland, $47,330.

O., Maple Heights (Worthington P. O.)—Village received bids laying water mains in Libbey Rd., from Gantos Constr. Co., Columbia Bldg., Cleveland, $28,419, Post Constr. Co., Fairchild Ave., Cleveland, $29,860; in Arch, Joseph, Phillip, Irwin, Cato, Thomas, McCracken, Sterling Stanley and Miller Sts., from Lanesee Co., Columbia Bldg., Cleveland, $87,180; Gantos Constr. Co., Columbia Bldg., Cleveland, $91,000. Above work involves 30,276 lin. ft. 8-10 in. c.i. pipe.

★O., South Euclid—Village let contracts laying water mains in Golfway, Lawnway, Maywood and Rushton Aves., Oakmont, Laclede, Renford, Westdale, Bayard and Green Rds., to A. Marra, Ullmer Bldg., Cleveland, $107,079; Piermont, Delwood, Ardmore, Adrian and Elmwood Aves., Winston and Avondale Rds., Belvoir Blvd., to Hadded-Mall Co., Schofield Bldg., Cleveland, $111,817. Noted July 28.

★Ill., Washington—City let contract for increasing waterworks capacity from 200,000 to 400,000 gal. per 24 hours to M. Elbert, Washington, $75,450. Noted July 21.

Ia., Des Moles—Des Moines Water Co., 1001 Locust St., opened bids July 28, constructing 3 story, 103 x 120 ft., brick and concrete pumping station and coal pit, on Southwest 17th St., from A. H. Neuman Co., 519 Hubbell Bldg., $173,829; W. F. Kucharo, 622 Hubbell Bldg., $182,555; J. Maine & Sons, 119 8th St., $89,837.

★Kan., Council Groves—City let contract improving waterworks system, including new mains and pumps, to Merkle Mfg. Co., 508 Interstate Bldg., Kansas City. About $25,000. Noted July 21.

★Kan., McPherson — City let contract building rein.-con. standpipe, to H. M. Stucker, Lawrence. About $38,000.

★S. D., Redfield—City let contract constructing rein.-con., reservoir, 1,000,000 gal. capacity, and concrete pumping building, to H. F. Stolte, Redfield, $34,985. Noted June 30.

Sewers

PROPOSED WORK

N. Y., Rochester—City soon receives bids building sewers in Clinton Ave., Navarre and Versailles Rds., Collingwood and Rutledge Drives, Argonne, Alcuzar, Hargrove and St. Paul Sts., also surface sewers in street intersections, etc. About $116,800. A. R. Tuttle, city engr.

N. J., Gloucester—See "Streets and Roads."

Pa., Phila.—City having plans prepared for sewage disposal plant with reservoir, 60,000,000 gal. capacity, at Mingo Creek pumping station, also intake sewerage system to reservoir. About $275,000. G. Brown, City Hall, engr.

W. Va., Clarksburg — See "Streets and Roads."

O., Germantown—City having plans prepared for storm and sanitary sewerage system and waterworks system, involving 8 20 in. vitr. pipe, manholes, catch basins, etc. About $100,000. K. B. Alien, 600 U. B. Bldg., Dayton, engr.

Ind., Brazil — Bd. Pub. Wks. plans to build 1 story sewage disposal plant, brick and rein.-con. About $150,000. F. Dearmy, clk.

Mo., Fairfax—See "Waterworks."

Ont., St. Thomas—City having plans prepared for storm sewers. About $50,000. W. Miller, City Hall, engr.

BIDS DESIRED

N. Y., Long Island City—Until Aug. 12, by M. E. Connolly, pres. Queens Boro, constructing sewers and appurtenances in portions of 76th St. (Lott Ave.); 77th (Rector) St.; 87th Rd. (2d St.); 88th Ave. (3d St.); 88th Rd. (4th St.); 89th Ave. (5th St.); 90th Ave. (6th St.); 91st Ave. (8th St.-Fulton St.); Rockaway Blvd.; 79th St. (Dakota Ave.); 80th St. (Shaw Ave.); 81st St. (Nevada Ave.); 82d St. (Montana Ave.); 88th St. (Boyd Ave.); 89th St. (Ocean View Ave.); 90th St. (Woodland Ave.); 91st St. (Thrall Ave.), 4th Ward; Ferguson St., Roosevelt Ave., Gunther St., Havemeyer St., Kingsland Ave., North Railroad Ave., South Railroad Ave., Lurting St., Nicholls St., Opdyke St., Proovost St., Radcliffe St, Tiemann Ave., 2d Ward.

N. Y., Long Island City—Until Aug. 8, by M. E. Connolly, pres. Queens Boro., building sewer in (1) Jay Ave., etc., cost $35,000, (2) Jeffrey Ave., etc.

N. Y., New York — See "Streets and Roads."

N. Y., S. I., St. George—Until Aug. 8, by C. D. Van Name, pres. Richmond Boro, building sewage treatment plant on block bounded by Quincy St., Cromwell, Boardman and Scotland Aves., also relay pumping station on Seaside Blvd. and Hinschcliff Ave., etc. About $55,000.

Sewers (Continued)

Mo., Excelsior Springs—Until Aug. 11, by City Clerk, building sewers in Dists. 12, 44, 48, 49, 50 and 51, involving 11,300 ft. 8 in. vc pipe, 42 manholes. About $27,000. Shockley Eng. Co., Kansas City, Mo., engrs.

Mo., Mexico—Until Aug. 8, by W. Deoring, city clk., building sewage disposal plant and outfall sewers. Formed bids rejected. Black & Veach, Interstate Bldg., Kansas City, engrs.

Mo., St. Joseph—Until Aug. 9, by city, laying 8-12 in. tile sewers in Dist. 95. About $25,000. G. E. Jackson, clk. Private plans.

Ont., Toronto—Until Aug. 15, by T. L. Church, mayor, building 7,200 ft. vitr. tile sanitary sewers in Terauley St. and Roselawn Ave. About $30,000. R. C. Harris, city engr.

PRICES AND CONTRACTS AWARDED

(★Indicates contract awarded)

★**Mass., Ludlow**—Dept. Pub. Wks. will build 1 mi. vitr. sewers north of Indian Leap Bridge. About $25,000. Work will be done by day labor under supervision of M. T. Brennan. Noted June 9.

★**Mass., Northbridge**—Town let contract extending sewerage system, to McClintock & Woodfall, 14 Beacon St., Boston. About $60,000. Noted Mar. 24.

★**Conn., Torrington**—Town plans to improve sewerage system, vitr. pipe. About $351,000. Work will be done by day labor.

★**O., Cleveland Heights** (Cleveland P. O.) —See "Waterworks."

★**O., Euclid**—Village let contracts building sewers and watermains in Wondergrove Ave., Parkview, West Brook and Gilchrist Drives, to Gantos Constr. Co., Columbia Bldg., Cleveland, $22,912; in Arms Ave., Glenside and East Brook Drives, to Hadded-Mall Co., The Arcade, Cleveland, $14,270. Above work involves 10,120 lin. ft. 8-15 in. vitr. pipe. Noted May 19.

Ind., Indianapolis — Bd. Pub. Wks. received bids building 1 story, 64 x 108 ft. sewage disposal plant, rein.-con., brick and steel, rein.-con. flooring, from Fruin & Colnon Contg. Co., Merchants-Laclede Bldg., St. Louis, Mo., $198,000; G. W. Bunning, Peoples Bank Bldg., $200,000; J. W. and W. C. Martin, 323 West 10th St., $220,000. Above bids rejected. Work will be readvertised.

★**Ill., Elmhurst** — City let contract contract constructing 2,790 ft. 15 in. vitr. tile sewers, etc., in various streets to F. J. Donohue, Stevens Point, Wis. About $40,000. Noted July 14.

★**Minn., West St. Paul** (St. Paul P. O.) —City let contract building sanitary sewerage system to Thornton Bros. Co., 304 Central Bank Bldg., St. Paul, $50,787. Noted July 21.

★**Kan., Ft. Scott**—City let contract building sewers in various streets, to Amerman & Snyder, 248 North Market St., Wichita, $42,516. Noted July 14.

★**Mo., Excelsior Springs**—City let contract building 10 18 in. vitr. tile sewers and disposal plant, to Harness Bros., Ottumwa, Ia., $54,385. Noted July 7.

Bridges

PROPOSED WORK

Ala., Andalusa—Covington Co. plans to build one 120 steel span with 100 ft. concrete trestle approach over Pigeon Creek. About $25,000. L. P. Smith, Montgomery, state bridge engr.

Col., Las Animas—Bent Co. and State Highway Dept., Denver, having plans prepared building 3 span steel bridge, concrete floor, across Arkansas River on Santa Fe Trail, here. About $110,000. L. D. Blauvelt, State Museum Bldg., Denver, engr.

Col., Las Animas—Bent Co. (Las Animas), Otero Co. (La Junta), and State Highway Dept., Denver, having plans prepared building steel bridge, concrete floor, over Arkansas River, between Otero and Bent Counties. About $40,000. L. D. Blauvelt, State Museum Bldg., Dever, engr.

Col., Pueblo—Pueblo Co. and State Highway Dept., Denver, having plans prepared building steel bridge, concrete floor, on Santa Fe Ave., about $150,000; steel bridge, concrete floor across St. Charles River, on Sante Fe Trail near here, $30,000; steel bridge, concrete floor, over Salt Creek ,east of here, $25,000. L. D. Blauvelt, State Museum Bldg., Denver, engr.

BIDS DESIRED

N. Y., Cobleskill—Until Aug. 19, at office of A. J. Brown, town clk., building bridge over Cobleskill Creek, on Bramanville and Howe Cave Rd. D. Netheway, Jr., supt. highways; advertised in this issue.

N. J., Denville—Until Aug. 17, by State Highway Comn., Broad St. Bank Bldg., Trenton, building Bridge 74, M.P.O.4-E, on Route 12, Sect. 2, here. A. L. Grover, ch. clk.; advertised in this issue.

Pa., Progress—Until Aug. 15, by H. W. Gough, controller, Dauphin Co., Courthouse, Harrisburg, rebuilding one span, concrete deck and girder bridge over Paxton Creek, here, and 2 span rein.-con. deck and girder bridge over Spring Creek at Hershey.

S. C., Gaffney—Until Aug. 18, by Cherokee Co. Highway Comn., building 625 ft. bridge over Big Thickety Creek, involving 40 cu.yd. dry excav., 83.5 cu.yd. Class B and 10 cu.yd. Class C, concrete, 4,085 lb. reinforcing steel, 1,120 sq.yd. bituminous surfacing and 401,600 lb. structural steel. T. J. Hester, Gaffney, engr.

Kan., Wichita—Until Aug. 9, by city, c/o H. D. Lester, clk., building 422 ft. rein-con. bridge over Arkansas River on Maple St. About $175,000. Noted May 19.

Kan., Council Groves—Until Aug. 10, by F. A. Robbins, secy. Morris Co., building three 14 ft., rein.-con. bridges, 20 ft. roadway, and three 25 ft. through girder span bridges, 20 ft. roadway. J. McKenzie, Council Groves, engr. Noted June 23.

Tex., Quitman—Until Aug. 9, by B. F. Cathey, Judge Wood Co., building concrete and steel structures and backfilling Tim Hogg Highway, involving 625.06 cu.yd. Class A concrete, 43,475 lb. reinforcing and 23,200 lb. structural steel, 500 cu.yd. dry structural and 306 cu.yd. wet excav., 14,000 cu.yd. earth approach and fill, 140 lin. ft. 24-36 in. c.i. pipe, etc. About $27,500. J. E. Blair, Mineola, engr.

Tex., Palo Pinto—Until Aug. 11, by Palo Pinto Co., building concrete girder and steel span over Palo Pinto River. About $26,500. M. V. Smith, Palo Pinto, engr.

Ia., Hempton—Until Aug. 12, by E. D. Haecker, aud. Franklin Co., constructing 4 bridges, to include two 40 ft. pony truss, one 16 ft. and one 18 ft. slab. About $25,000. F. S. Currie, Hempton, engr.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

R. I., Warwick—State Bd. Pub. Sds., Providence, received bids July 27, constructing 3 span, rein.-con. arch bridge between here and Cranston, from T. I. Ellis, 171 Westminster St., Providence, $40,393; S. C. Sperry, 300 Main St., Cambridge, Mass., $42,570; Rendle-Stoddard Co., Chelsea, Mass., $45,000. Noted July 21.

Pa., Lewistown—Boro received bids building (1) 84 ft. single span arch bridge, Plan A, (2) reconstructing present 2 span arch bridge, Plan B, over Kishacoquilis Creek, South Main St., from R. R. Myers, 119 South Main St., Lewistown, (1) $31,923, (2) $18,428; J. O. Eshelman, Lewistown, (1) $35,130, (2) $22,208; Butz & Clader, Allentown, (1) $36,294; C. G. Shaffer & Co., Phila., (2) $23,451.

Pa., Phila. — City rejected bids opened July 14 removing old bridge on South St. over Schuylkill River and building new piers. Work will be readvertised in six weeks. F. H. Caven, 211 City Hall, dir. Noted July 21.

★**S. C., Lanes** — Bd. Comrs. of Santee Bridge Dist., Chamber of Commerce Bldg., Charleston, let contract building bridge over Santee River, to Rollin Constr. Co., 90 West St., New York City. About $632,000.

O., Fremont—Sandusky Co. received bids building 350 ft. rein.-con. bridge, 42 ft. wide, over Sandusky River, from C. Stiwell, Fremont, $196,970 for stone rail, $183,970 for concrete rail; Jones Bros., Fremont, $197,468 for stone rail, $188,868 for concrete rail. Noted July 21.

★**Minn., Duluth**—St. Louis Co. let contract building 15 concrete and steel bridges on Miller Trunk Highway north of here, ranging from 20-416 ft. long, 18 ft. wide, to Minneapolis Bridge Co., 1035 Metropolitan Bank Bldg., Minneapolis, $25,135, Illinois Steel Bridge Co., 522 Gilfillan Bldg., St. Paul, $56,014, M. A. Adams, 927 Andrus Bldg., Minneapolis, $9,300, Iowa Bridge Co., Builders Exch. Bldg., Minneapolis, $5,247, W. S. Hewitt, 520 Metropolitan Bank Bldg., Minneapolis, $8,370, A. Guthrie & Co., 366 Jackson St., St. Paul, $19,739. Noted July 7.

California—State Highway Dept., 515 Forum Bldg., Sacramento, received bids building bridge across Bear Gulch, near Garbersville, on Div. 1, Route 1, Sect. B, Humboldt Co., involving (a) 660 cu.yd. Class A and (b) 255 cu.yd. Class C concrete, from F. H. Green, Eureka, (a) $37 per cu. yd. (b) $36, total $33,600; C. H. Gildersleeve, Fresno, (a) $41.50, (b) $36.50, total $36,698, Rocca, Caletti & Liebert, San Rafael, (a) $43.50, (b) $35, total $37,635; bridges over Shasta River, Parks and Willow Creeks, on Div. 2, Route 3, Sect. B, Siskiyou Co., from T. H. Polk, Chico, $18,510, G. H. Wilson, Jr., Dunsmuir, $18,960, R. B. McKenzie, Gerber, $23,190.

Ont., Hamilton — Toronto, Hamilton & Buffalo Ry., Hunter St., will build concrete bridge on Robinson St. About $30,000. Work will be done by day labor. R. L. Latham, Hunter St., engr.

Railways

PROPOSED WORK

Missouri—Chicago & Alton R.R., 6083 South Dearborn St., Chicago, plans to lay 7 mi. track from Eldred, Green Co., to Reddish, Ill. About $60,000. H. T. Douglas, Jr., ch. engr.

Ontario—Toronto Transportation Comn., Ryrie Bldg., Toronto, plans to build 1½ mi. double track extension on Queen St. from Sunnyside Ave. to Humber River, Toronto. H. H. Couzens, ch. engr.

PRICES AND CONTRACTS AWARDED

(★Indicates contract awarded)

★**New Hampshire**—Boston & Maine R.R., North Sta., Boston, let contract extending railroad tracks at Concord to T. Stuart & Son, Inc., 222 Pearl St., Newton, Mass. About $325,000.

Excavation and Dredging

PROPOSED WORK

Ia., Glenwood—Levee—Mills and Pottawattamie Counties plan to construct joint levee district on Missouri River. About $40,000. W. N. Moore, co. clk.

Ia., Marshalltown — Excavation — Marshall Co. plans to straighten and deepen 30 mi. Iowa River, average bottom width 60 ft., depth 14 ft. About $35,000. F. B. Ingersoll, Marshalltown, engr.

Minn., Albert Lea—Ditch—Freeborn Co. rejected bids opened July 18, building Judicial Ditch 4, involving 1,470,705 cu.yd. excav. and 35,507 lin.ft. 6-22 in. tile. About $263,276. Mid-West Eng. Co., Albert Lea, engrs. Noted June 23.

Minn., Stillwater—Ditches — Washington Co. having plans prepared for Judicial Ditches 4, 5 and 6. About $40,000. F. J. Armstrong, 215 Guardian Life Bldg., St. Paul, engr.

BIDS DESIRED

Ia., Harlan—Ditch—Until Aug. 15, by Shelby Co., Building Nishnabotne Drain 12, main ditch 16,300 lin. ft., involving 128,000 cu.yd. excav., lateral 1,000 ft. long. About $27,000. J. H. Mayne, Harlan, engr.

Mo., Benton—Excavation—Until Aug. 25, by Scott Co., Court House, Benton, for 102,000 cu.yd. earth excav. in D. D. 14. C. E. Swank, Charleston, engr.; advertised in this issue.

Mo., Benton—Excavation—Until Aug. 25, by Scott Co., Court House, for 791,000 cu yd. earth and 400 cu.yd. rock excav. in D. D. 12. C. E. Swank, Charleston, engr.; advertised in this issue.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Minn., Aitkin** — Ditch — Aitkin Co. let contract building Co. Ditch 36 to D. A. Foley & Co., Aitkin, $26,596; Co. Ditch 33, to W. H. Small & Son, Aitkin, $10,525.

Streets and Roads

PROPOSED WORK

Massachusetts — State Highway Dept., Boston, canceled bids opened July 26, paying 9,600 ft. state highway in Holden, bituminous macadam. A. W. Deane, 413 Statehouse, engr. Noted July 14.

N. Y., Lancaster—City plans to improve Central Ave. and St. Mary St. About $92,500. A. R. Krehbiel, Lancaster, engr.

N. J., Gloucester—City Council soon receives bids paving, building sewers and water mains in various streets. About $45,000. Former bids rejected. A. W. Redfield, clk. Remington & Vosburgh, 6th and Market Sts., Camden, engrs.

W. Va., Clarksburg—City Council soon receives bids paving and laying 12 in. sewers in Main, North Chestnut, Mines and Walnut Sts., Hamil Ave. and Riverside Drive, etc. About $125,000. T. Lang, Clarksburg, engr.

North Carolina—State Highway Comn., Raleigh, plans to clear, grub, grade, drain and surface 17 mi. road from Topton to Almond, State Project 538, Macon and Swain Counties, sand-clay or gravel, about $115,000, 15.3 mi. road from Jones Co. line, Jacksonville, State Project 539, Onslow Co., topsoil, $110,000; clear, grub, grade, drain, bridge and surface 21.9 mi. road from Jacksonville to Pender Co. line, State Project 540, Onslow Co., $130,000, 25 mi. road from Sampson Co. line to Castle Hayne, State Project 541, Pender Co., $150,000, 15 mi. road from Westfield to Danbury, State Project 542, Stokes Co., $105,000. C. M. Upham, state highway engr.

North Carolina—State Highway Dept., Raleigh, and Federal Forest Serv. plan to grade, drain, surface and reconstruct 9 mi. forest from Mortimer to Globe, Caldwell Co. About $40,000. V. Rhodes, Lenoir, forest superv.

North Carolina—State Highway Comn., Raleigh, plans to grade, drain and surface 3 mi. State Project 621, from Lumberton to Red Springs-Maxton Rd., Robeson Co., concrete or some asphaltic type, $100,000; reconstruct 16 mi. road and bridges, on State Project 617, from Delway to Pender Co. line, $100,000. C. M. Upham, state highway engr.

S. C., Charleston—City election Oct. 15 to vote on $500,000 bonds to improve various streets. J. H. Dingle, Charleston, engr.

Fla., Brooksville—Comrs. Hernando Co. soon receive bids surfacing 20 mi. macadam road with asphalt, 9-16 ft. wide, 6/10 gal. to sq.yd. with force pump and covering with gravel, etc. About $60,000.

Fla., Gaineaville—Alachua Co. having plans prepared building 40 mi. roads from here to Newberry, Hawthorne and Putnam Co., and from here to Waldo and Bradford Co., brick asphalt or concrete. About $500,000. H. B. West, care of Alachua Co. Comn., engr.

Fla., Inverness—Citrus Co. and State Highway Dept., plan election to vote on $600,000 bonds to build 45 mi. highway from Marion Co., via Holder, Hernando, Inverness and Floral City, brick, asphalt or concrete. C. A. Browne, c/o State Road Dept., Tallahassee, engr.

Alabama—State Highway Dept., Montgomery, having plans prepared grading, draining and surfacing 9.536 mi. Big Cove Rd., 4 mi. southeast of Huntsville to point 2 mi. northwest of Owens, Madison Co., waterbound macadam and gravel; 18.91 mi. Bankhead Highway, from Walker Co. line to Guin, Marion Co., chert or gravel, $180,000; 17.8 mi. road from Ft. Payne via Big Wills Valley to Collinsville, De Kalb Co., chert; 13.745 mi. Decatur-Moulton-Russellville Rd., between Moulton and Russellville, Lawrence Co., bituminous macadam; 17.41 mi. road from Ashland to Goodwater, Clay Co., chert or gravel. W. S. Keller, state highway engr.

Alabama—State Highway Dept., Montgomery, having plans prepared grading, draining and gravel surfacing 13.5 mi. road from Center Star to Elk River at Limestone Co. line, Lauderdale Co., and building one 120 ft. steel span with 150 lin.ft. concrete approach, one 90 ft. concrete girder, and other small structures on above road, about $160,000, grading, draining and surfacing 6 mi. road from Chickasaw through Prichard to Mobile, Mobile Co., concrete or other hard surface; having surveys made grading, draining and surfacing 8 mi. Jackson Highway from Sheffield through Tuscumbia to point 6 mi. south of Tuscumbia, Colbert Co., concrete or bituminous macadam and gravel. W. S. Keller, state highway engr.

Ohio—L. C. Herrick, dir. highways, Columbus, rejected bids opened July 22 improving roads in following counties:

Jefferson Co., Sect. "H-3" Steubenville-Cambridge Rd., 1.044 mi., grading, constructing drainage structures and paving with brick on rolled base.

Putnam Co., Sect. "M" Van Wert-Ottawa Rd., 2.865 mi., grading, constructing bridges and culverts and paving with Kentucky rck asphalt on waterbound macadam.

Wayne Co., Sect. "C" Millersburg-Worcester Rd., 1.42 mi., grading, constructing bridges and culverts and paving with monolithic brick, or concrete.

Jefferson Co., Sects. "D" and "E" Canton-Steubenville Rd., 4.02 mi., widening old road and paving with bituminous macadam. Noted July 28.

O., Akron—City plans to extend 1 mi. West Talmadge Ave. from Cuyahoga St. to Marriman Rd.; work includes grading, leveling roadbed and improving with macadam. About $200,000.

Ind., Indianapolis—City plans to improve 5,636 ft. Northwestern Ave. from Fall Creek to 32d St., 50 ft. wide, involving 19,711 sq. yd. asphalt, 2,600 sq.yd. concrete and 2,700 lin.ft. concrete gutter, about $61,588; 5,872 ft. Rockwood Ave. from Maple Rd. to 43d St., 30 ft. wide, 1,957 sq.ft. asphalt, 6,018 lin.ft. stone curbing, 6,173 lin.ft. brick gutter and 328 cu.yd. earth excav., $20,839; resurfacing 2,425 ft. Bway. from 21st to 25th Sts., 30 ft. wide, 7,421 ft. asphalt, $17,854; 2,377 ft. College Ave. from 21st to 25th St., 6,146 sq.yd. asphalt, 282 lin.ft. stone curbing and 5,022 lin.ft. brick gutter, $23,457. H. Klausmann, city engr.

Michigan—State Highway Dept., Lansing, plans to grade, drain and surface with base course macadam 5 mi. State Trunk Line Rd. 15-8, Keweenaw Co. F. F. Rodgers, state highway comr.

Michigan—State Highway Dept., Lansing, plans to grade, drain and surface 4½ mi. State Trunk Line Rd. 13-27, Sect. B., gravel. F. F. Rodgers, state highway comr.

Ia., Moville—City plans to pave curb and gutter 15 blocks, 20 to 80 ft. wide, involving 30,000 sq.yd. concrete. About $120,000. W. E. Buell & Co., Davidson Bldg., Sioux City, engrs.

Minn., Gilbert—City election soon to vote on $80,000 bonds to improve and pave various streets. A. W. Indinar, clk.

S. D., Salem—McCook Co. plans to grade 16.4 mi. highway between Salem and east county line. About $40,000. F. J. Murphy, co. aud.

Missouri—State Highway Dept., Jefferson City, plans to pave 5.44 mi. state road from Unionville westward, State Aid Project 20.49, Putnam Co., involving 32,745 cu.yd. earth excav., 1776 cu.yd. borrow, 10,610 cu.yd. per 100 ft. overhaul, 31.5 cu.yd. Class B and 69.3 cu.yd. Class C concrete masonry, etc. About $26,845.

Missouri—State Highway Comn., Jefferson City, plans to improve 1.76 mi. state road from Keytesville northward, State Aid Project S 20.59, involving 9.708 cu.yd. earth excav., 21,395 cu.yd. borrow, 1.2 cu.yd. Class "C," 3.9 cu.yd. Class "A" and 164.5 cu.yd. of Class "B" concrete masonry, 11,890 lb. reinforcing steel, etc. About $25,000. A. Graham, state highway engr.

Mo., Columbia—City plans to pave Short St., vertical fiber brick on concrete base. About $25,000. J. S. Bicknell, clk. Private plans.

Tex., Bastrop—Bastrop Co., having plans prepared grading, gravel surfacing and building concrete drainage structures on 8.7 mi. Austin-Houston Highway in McDade Rd. Dist., involving 27.66 cu. yd. 1:2:3½, 183.2 cu. yd. 1:2:4, 15.9 cu. yd. 1:2½:5 and 30.4 cu. yd. 1:3:6 concrete, 20,060 cu. yd. earth excav., 16,487 lb. reinforcing steel and 10,030.5 cu. yd. gravel. About $42,690. D. M. Puckett, Elgin, engr.

Tex., Canyon City—City rejected bids received July 11, improving various streets. Work will be readvertised. C. L. Hasle, Littlefield, engr. Noted July 28.

Tex., Comanche—Comanche Co., having plans prepared and soon receives bids grading gravel surfacing and building concrete and steel bridges and culverts on 8.03 mi. State Highway 22, involving 48,034.7 cu. yd. borrow excav., 1,140 cu. yd. 1:2:4 and 253 cu.yd. 1:2½:5 concrete, 46,400 lb. structural and 105,244 lb. reinforcing steel, 16,690 cu.yd. gravel surfacing 42,300 cu.yd earth excav. etc. About $108,700. L. D. Parks, DeLeon, Co. engr.

Tex., Dallas—City election Sept. 17, to vote on $1,250,000 bonds for permanent street improvements. G. D. Fairtrace, city engr.

Tex., Henderson—Rusk Co. had plans prepared gravel surfacing 8 mi. Highways 26 and 43. About $107,551. Hess & Skinner Co., Southwest Life Bldg., Dallas, engrs.

Tex., Waco—McLennan Co. election Aug. 20, to vote on $5,500,000 bonds to build highways and principal lateral roads permanent type construction. M. Hannah, co. engr.

Tex., Waco—McLennan Co. having plans prepared and soon receives bids surfacing and bituminous topping 12.88 mi. Waco-Temple Rd., 16 ft. wide, (already graded and partly surfaced), involving 19,666 sq. yd. bituminous macadam, 9,833 gal. asphalt, 98,542 cu.yd. gravel, etc. About $25,500 including 10% for engineering and materials. M. Hannah, co engr.

Okla., Cherokee—City having plans prepared paving 12 blocks West Main St. and South Grand Ave. J. B. Bomford, city mgr.

Wash., Tacoma—City soon receives bids concrete paving 6,400 ft. East 34th St. from McKinley to Pacific Aves., and McKinley Ave. from 33rd to 40th Sts., 24 ft. wide. About $87,155. J. C. Manley, 503 City Hall, engr.

Ont., Aurora—Provincial Highway Dept., Parliament Bldgs., Toronto, soon receives bids grading subway under Grand Trunk Ry. tracks here, involving 100,000 cu.yd excav. About $60,000. G. Hogarth, ch. engr.

Ont, Hamilton—City had plans prepared paving 6,000 sq.yd. Mary St. from King William to Cameron Sts., sheet asphalt on concrete base. About $26,000. City will probably purchase all materials and do work by day labor. E. R. Gray, city engr.

Ont., Hamilton—City having surveys made paving Sherman Ave. from King to Barton Sts., involving 9,000 sq. yd. sheet asphalt and 2,000 lin. ft. curb and gutter. About $35,000. E. R. Gray, city engr.

Ont., Oshawa—Town soon receives bids paving various streets, 900 ft. long, asphalt 30 ft. wide, brick 10 ft. wide on 6 in concrete base, with concrete curbs and gutters, cost $30,000; 2,200 sq.yd. macadam on Simcoe St. and 10,000 sq.yd. concrete on Celina, Arthur and Center Sts., $35,000. N. G. McDonald, Oshawa, engr.

Ont., Sudbury—Town plans to build 5 tarbound macadam roads, cost $18,085, concrete sidewalks on 10 streets, $10,525, involving 6,000 sq.yd. macadam and 35,000 sq.ft. concrete. W. J. Ross, town clk.

Ont., Thorold—Town soon receives bids building 6,000 sq.yd. concrete or bituminous pavement on concrete base, and 10,500 sq.yd. bituminous surface with curbs. About $35,000. F. N. Rutherford, 24 Queen St., St. Catherines, engr.

Ont., Toronto—City soon receives bids paving Moss Park Pl., McGregors Ave., Ardagh and Aziel Sts., asphalt; Hughes and Windmere Aves., bithulithic; concrete curbs on Aziel St., Glenlake, Hughes, McGregor and Windmere Aves.; grading Milverton Blvd., Caithness and Glebeholme Aves. About $75,000. R. C. Harris, city engr.

Ont., Watford—Town election Aug. 22 to vote on $50,000 bonds to pave Main St. Prices wanted on all materials. W. S. Fuller, Watford, engr.

BIDS DESIRED

N. Y., Long Island City—Until Aug. 10, by M. E. Connolly, pres. Queens Boro, regulating and paving Clermont Ave. from Grand St. to Hull Ave., 88th (Maple) Ave. from 104th to 107th Sts., McPherson St., from Hughes St. to Catalpa Ave., permanent sheet asphalt on concrete foundation; Manly St., from Thompson to Nelson Ave., permanent granite blocks on concrete foundation; regulating, grading and curbing Edison St. from 51st St. to Tiemann Ave., Linden St. from Prospect Ave. to Fresh Pond Rd., 93d Ave. (North St.) from 104th to 107th Sts., regulating, curbing and laying sidewalks where necessary 88th (Maple) Ave. from 104th to 107th S'ts., regulating, resetting bluestone curb and sidewalk in Marion St. from Payntar to Freeman Aves., permanent asphalt pavement, on 6 in. concrete foundation, regulating, recurbing and

Streets and Roads (Continued)

reflagging Payntar Ave. from Vernon Ave. to Sherman St., preliminary second-hand granite block pavement on sand foundation; regulating and paving for width of 25 ft., centrally located in Borden Ave. from Van Dam St. to Gale St. and for width of 24 ft., centrally located, also gutters in Gale St. from Borden to Greenpoint Aves.; regulating and grading, removing, furnishing and planting trees in Hull Ave. from Marabel Ave. to property line about 400 ft. westerly thereof; regulating and grading Gates Ave. between Prospect Ave. and Fresh Pond Rd.

N. Y., New York—Until Aug. 9, by H. H. Curran, pres. Manhattan Boro. Municipal Bldg., regulating and repaving 2d Ave. (West Side) curb to rail from 3d St. to 4th St., asphalt concrete on resisting concrete foundation.

N. Y., New York—Until Aug. 10, by H. Bruckner, pres. Bronx Boro, Municipal Bldg., Bronx, regulating grading, setting curb, laying sidewalks and crosswalks building inlets, receiving basins, drains, culverts, approaches and guard rails in Clarke Pl. from Jerome to Inwood Aves., bituminous concrete on concrete foundation; constructing sewers and appurtenances in West Kingsbridge Rd. between existing sewer west of Webb Ave. and Webb Ave., and in Webb Ave. between West Kingsbridge Rd. and summit north of West 195th St., Eames Pl. between Webb Ave. and Clafin Ave., West 197th St. and Summit southerly therefrom, and in West 195th St. between Sedgwick and Webb Aves.

Delaware—Until Aug. 24, by State Highway Dept., Dover, building 0.623 mi. Contr. 40. C. M. Upham, ch. engr.; advertised in this issue.

Virginia—Until Aug. 11, by Assistant Highway Commissioner, 116 South 3d St., Richmond, building 7.23 mi. Virginia Project 101, State Rd. 17, between Healing Springs and Falling Springs, waterbound macadam or bituminous macadam, Bath and Alleghany Counties; 1.47 mi. Virginia Project 144, State Rd. 12, between Danville and Sandy River, concrete, Pittsylvania Co. C. E. Bolling, highway engr.

Louisiana—Until Aug. 8, by State Highway Dept., New Orleans, building 5 mi. Sect. A, Leesville-Many Highway, 5 mi. Sect. A Leesville-Alexandria Highway, 5 mi. Sect A Leesville-DeRidder Highway, 5 mi. Sect. A Leesville-Texas Highway, all foregoing in Vernon Parish; 3.05 mi. Bossier City-Cpushatta Highway, Bossier Parish. D. Buie, ch. engr.

Mich., Menominee—Until Aug. 8, by State Highway Dept. at office Bd. Rd. Comrs. Menominee Co., grading, draining and surfacing 2.701 mi. State Trunk Line Rd. 15-11, involving 17,537 cu.yd. excav., 3,000 sq.yd. gravel. F. F. Rodgers, Lansing, state highway comr.

Mich., Menominee—Until Aug. 8, by State Highway Dept. at office Bd. Rd. Comrs. Menominee Co., grading, draining and surfacing 0.912 mi. State Trunk Line Rd. 15-2, Sect. C-2, involving 650 cu.yd. excav., 10,640 sq.yd. concrete. F. F. Rodgers, Lansing, state highway comr.

Mich., Newberry—Until Aug. 9, by State Highway Dept., at office Bd. Rd. Comrs. Luce Co. (Newberry), grading and draining State Trunk Line Rd. 25-2, Sects. A and B, in Luce and Chippewa Counties, involving 46 208 cu.yd. excav. F. F. Rodgers, Lansing, state highway comr.

Mich., Sault Ste. Marie—Until Aug. 10, by State Highway Dept. at office Bd. Rd. Comrs. Chippewa Co., grading, draining and surfacing 4.777 mi. State Trunk Line Rd., involving 22,211 cu.yd. excav., 44,717 sq.yd. waterbound macadam. F. F. Rodgers, Lansing, state highway comr.

Mich., Sault Ste. Marie—Until Aug. 10, by State Highway Dept., at office Bd. Rd. Comrs. Chippewa Co., grading, draining and surfacing 3.441 mi. State Trunk Line Rd. 48-3, involving 17,858 cu.yd. excav., 32,305 sq.yd. gravel. F. F. Rodgers, Lansing, state highway comr.

Wisconsin—Until Aug. 10, by State Highway Comn., at div. office 5, Batavian Natl. Bank Bldg., La Crosse, surfacing 1.18 mi. Northfield-Hixton Rd., Federal Aid Project 213, Jackson Co., involving 5.46 acres clearing and grubbing, 11,967 cu.yd. earth, 3,668 cu.yd. solid rock and 755 cu.yd. loose rock excav., 177.1 cu.yd. Class "A" concrete, 11,591 sq.yd. shale surfacing, etc.

Wis., Milwaukee—Until Aug. 8, by Comrs. Pub. Wks., paving 8 alleys, involving 8,868 sq.yd. concrete and 3,804 cu.yd. grading. Cost between $21,000 and $25,000. G. Staal, city engr.

Ia., Algona—Until Aug. 9, by Algona Co., grading and draining 24.07 mi. road. About $200,000. D. L. Leffert, co. engr.

Ia., Des Moines—Until Aug. 9, by city, paving West 16th St., brick on concrete base, cost $25 000; West 5th St., brick or asphalt on concrete base, $25,000; Mulberry St., No. vitr brick, sheet asphalt, asphaltic concrete or bithulithic, $25,000; paving and resurfacing West Locust St., brick or asphalt, $25,000. K. A. Kastberg, city engr. Noted July 21 and 28.

Minn., Anoka—Until Aug. 23, by Anoka Co., clearing, grading, etc., State Rd. 3, Job 2002, involving 6 acres clearing and grubbing, 74,126 cu.yd. excav., 188,280 cu.yd. overhaul, 7,224 cu.yd. hand ditch, etc. About $30,000. H. B. Childs, Anoka, engr.

Minn., Brainerd—Until Aug. 8, by city, grading and paving Front St. from 4th St., S to 8th St., S., involving 9,000 sq.yd. concrete. About $30,000. W. T. Campbell, city engr.

Minn., Brainerd—Until Aug. 20, by Crow Wing Co., gravel surfacing, Job 2004, State Rd. 3, Div. A, involving 5,000 cu.yd. screened gravel; Job 2105, State Rd. 1, Div. A, 4 acres clearing and grubbing, 30,000 cu.yd. excav., 8,000 cu.yd. overhaul; Job 1910, State Rd. 8, Div. A, 6,000 cu. yd. gravel surfacing, unscreened; Job 1908, State Rd. 1, Div. B, 3,000 cu.yd. unscreened gravel. About $27,000. C. L. Wott, Brainerd, engr.

Minn., Grand Rapids—Until Aug. 9, by city, paving, curbing and guttering about 8 blocks 4th St. About $30,000. F. A. McVicar, clk. Private plans.

Minn., St. Paul—Until Aug. 8, by city, paving an extra width of 4 ft. (additional to 20 ft. wide paving already awarded) on 4.75 mi. Point Douglas Rd. from Burns Ave. to south city limits, (1) furnishing both materials and labor, (2) furnishing materials only; work to be done by force account. About $36,000. O. Claussen, City Hall, city engr. Noted July 21.

Minn., Worthington—Until Aug. 23, by Nobles Co., gravel surfacing Federal Aid Project 45, State Roads 1 and 7, 8 mi. Sect. A from here to Brewster, invloving 13,760 cu.yd. gravel and 46,300 lin. ft. shaping and compacting, etc.; 10 mi. Sect. B from here, to Bigelow, 32,600 cu.yd. gravel and 54,500 lin. ft. shaping and compacting, etc. About $40,000. N. S. Thayer, Worthington, engr.

Kan., Hiawatha—Until Aug. 31 by Comrs. Brown Co., grading and draining 6.8 mi. Capitol Highway, 26 ft. wide, Federal Aid Project 88. About $40,000. S. K. McCray Hiawatha, engr.

Kan., Ottawa—Until Sept. 2, by Comrs. Franklin Co., grading, draining, and building brick or concrete slab on 1.514 mi. various roads. About $75,000. M. E. Alderman, Co., engr.

Kan., Troy—Until Aug. 30, by Comrs. Doniphan Co., grading, draining and building concrete slab on 2.5 mi. Pikes Peak Highway, 18 ft. wide, Federal Aid Project 87. About $95,000. J. D. Parker, Troy, engr.

Kan., Wellington—Until Aug. 26, by Comrs. Sumner Co., grading and draining 16.728 mi. Meridian Trail, Sects. L-M-J-K-R, 18 ft. radway, Federal Aid Project 35. About $100,000. J. W. Mavity, Wellington engr.

S. D., Aberdeen—Until Aug. 9, by city, c/o L. W. Kohlhoff, aud., paving various streets, asphalt or vitr. brick on concrete base. About $25,000. F. LeCocq, Aberdeen, engr.

S. C., Camden—Until Aug. 15, by Kershaw Co. grading and surfacing 11 mi. Camden-Lancaster Rd., involving 15,000 yd. excav., and 20,000 cu.yd. sand clay surfacing. J. D. Gregory, Camden, engr.

Missouri—Until Aug. 18, by State Highway Dept., Bolivar, building 4.94 mi. state road from Bolivar eastward and westward, State Aid Project S. 20.71, involving 25,549 cu.yd. earth, 3,242 cu.yd. rock and 5,129 cu.yd. borrow excav., 2,604 cu.yd. Class B and 74 cu.yd. Class C concrete masonry, etc. A. Grahm, Jefferson City, state highway engr.

Missouri—Until Aug. 17, by State Highway Bd., Richmond, building 1.77 mi. state road from Richmond northward, State Aid Project S 20.65, Ray Co. About $27,844. A. Grahm, Jefferson City, State highway engr. Noted July 28.

Mo., Excelsior Springs—Until Aug. 11, by city, c/o W. Bales, clk., paving various streets, vitr. brick on concrete base. About $25,000. C. A. Stockley, Graphic Arts Bldg., Kansas City, engr.

Mo., Perryville—Until Aug. 9, by Perry Co., grading and draining Project 20.67. About $25,545. Private plans. M. E Murray, clk.

Mo., St. Joseph—Until Aug. 9, by city, reconstructing present macadam pavement on 12th St. and aplying 2 coats asphaltic cement, and renewing curb and gutter. About $25,000. G. E. Jackson, clk. Private plans.

Mo., Trenton—Until Aug. 9, by Groundy Co., grading and draining Project 20.53. About $29,826. A. C. Lingley, clk. Private plans.

Mo., Warrentown—Until Aug. 9, by Warren Co., grading and draining Project 20.66. About $25,174. H. D. Griffith, clk. Private plans.

Tex., Cameron—Until Aug. 12, by W. C. Gellis, judge Milam Co., grading, gravel surfacing and draining 1.85 mi. State Highway 44, involving 4,364 cu.yd. borrow, 3,879 cu.yd. earth and 175 cu.yd. structural excav., 218.76 cu.yd. 1:2:4 and 19.5 cu.yd. 1:2½:5 concrete, 18,453 lb. reinforcing steel, 4,513 cu.yd. gravel. Cost $27,835 including 10 per cent for enginerring and contingencies. A. F. Mitchell, Cameron, co. engr.

Tex., Groesbeck—Until Aug. 8, by H. F. Kirby, Judge Limestone Co., gravel surfacing 16 mi. Highway 7, Sect. B and D, Federal Aid Project 137. Gravel and rock furnished by county. About $30,000. F. P. Holt, co. engr.

Tex., Palo Pinto—Until Aug. 15, by Palo Pinto Co. grading and surfacing Rd. 2, macadam. About $25,000. M. V. Smith, Palo Pinto, engr.

Tex., Paris—Until Aug. 9, by W. L. Hutchison, judge Lamar Co., graveling and paving 43.6 mi. Highways 5 and 19, involving 3,311 cu.yd. concrete pavement, 7,890 lb. reinforcing steel, 70.8 cu.yd. Class "A" and 42 cu.yd. Class "B" concrete, 92,632 cu.yd. gravel, etc. W. M. Fooshe, Paris, engr.

Tex., Richmond—Until Aug. 10, by Ft. Bend Co. grading and gravel surfacing Highway 36. About $100,000. L. R. Gurley, Richmond, engr.

Tex., Richmond—Until Aug. 10, by C. D. Meyers, judge Ft. Bend Co., gravel surfacing, bituminous topping and draining 13.01 mi. Highway 36 from Rosenberg to Austin Co. line, involving 71,000 gal. asphalt 3,000 cu.yd. cover material, 99,293 cu.yd. gravel. About $95,000. L. R. Gurley, co. engr.

Nova Scotia—Until Aug. 12, by Provincial Highway Bd., Halifax, building 6 mi. waterbound macadam road from Sydney towards East Bay. About $37,500. W. A. Hendry, Halifax, ch. engr.

Que., Montreal—Until Aug. 15, by F. S. Williamson, 103 St. Francis Xavier St., building 2 mi. driveway from Mount Royal Ave. to Cote des Naiges Rd., 20 ft. wide, bituminous macadam. Above project to be built by public subscription, and presented to city. About $500,000.

Ont., Toronto—Until Aug. 8, by T. L. Church, chn. Bd. Control building 6,000 sq.yd. asphalt pavements on Beaver, Currie, Denison and Harvie Aves., 1,000 sq.yd. asphaltic concrete pavement on Glendale Ave. and Walmer Rd., 4,500 sq.yd. concrete pavements on Chaplin Crescent, Imperial St., 1st Lane, Colin and Lawton Aves., bithuilthic pavements on Glendonwynne Rd., 30,000 sq.yd. asphalt surface on Dundas St., grading Small St., concrete curbing on Glendonwynne Rd., Beaver and Glendale Aves., concrete sidewalks on Annette and Russell Sts., Tyrrel and Wychwood Aves. About

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★Me., Saco—City let contract paving various streets granite block, on concrete base, to Hassam Paving Co., 17 Federal St., Worcester, Mass. Cost to exceed $25,000.

Streets and Roads (continued)

★**Massachusetts**—State Highway Comn., Boston, let contract paving 16,060 ft. state highway in Hardwick, 18 ft. wide, bituminous macadam, to Lane Constr. Co., 37 Colony St., Meriden, Conn., $64,000; 7,200 ft. in Littleton, 18 ft. wide, bituminous macadam, to T. J. McCue, Watertown, N. Y., $62,813; 2,750 ft. in Plympton, 18 ft. wide, bituminous macadam, to M. F. Roach, East Bridgewater, Mass., $8,830; 7,650 ft. in North Adams, 21 ft. wide, rein.-con., to F. T. Ley Co., 409 Main St., Springfield, $70,624. Noted July 14.

Massachusetts—State Highway Dept., Boston, opened bids July 26 paving 7,300 lin. ft. highway in Pembroke, 18 ft. wide, bituminous concrete, from Atwood Thomas Constr. Co., Middleboro, $23,832; J. W. O'Connell, 73 Tremont St., Boston, $23,969; R. W. Newell Co., South Main St., Uxbridge, $24,432. Noted July 14.

★**Mass., Ware**—City will lay cement concrete pavement on portions of East and West Sts. About $40,000. Work will be done by day labor. J. Nelligan, Ware, engr.

Conn., New Haven—Bureau of Eng. received bids July 28, paving East, Bridge and Chapel Sts., involving 10,020 sq.yd. 1:2:4 concrete, from G. W. Blakeslee & Sons, 58 Waverly St., $30,669, Natl. Concrete Co., New Haven, $31,530, Conn. Natl. Pavements Inc., 147 Orange St., $34,982; East and Bridge Sts., involving 8,740 sq.yd. asphalt, from Conn. Natl. Pavements Inc., 147 Orange St., $40,281, C. W. Blakeslee & Sons, 58 Waverly St., $40,621; Chapel St. from near Mill River to near Ferry St. 5,820 sq.yd. vitr. brick on new base, from Conn. Natl. Pavements Inc., 147 Orange St., $28,111, C. W. Blakeslee & Sons, 58 Waverly St., $28,782, R. D. Daley Co., 6 Church St., $32,013. Noted July 21.

N. Y., Brooklyn—E. Riegelmann, boro pres., Boro Hall, opened bids July 27 regulating and grading (1) Delamere Pl. (East 23rd St.) from Ave. N. to Kings Highway, (2) 89th St., regulating, curbing and laying sidewalks on (3) Delamere Pl. (East 23rd St.) from Ave. N to Kings Highway; regulating, grading, layin sidewalks and paving (4) Ave. L preliminary bituminous macadam; regulating and paving (5) Lincoln Rd. and East New York Ave., permanent asphalt on 6 in. concrete foundation; regulating, grading, curbing and laying sidewalks (7) Ave. S and E. regulating and laying sidewalks where necessary on both sides (8) 4th Ave; regulating, grading, curbing and laying sidewalks (9) 18th Ave. from Ocean Parkway to Coney Island Ave.; regulating and paving (10) 18th Ave. from Ocean Parkway to Coney Island Ave., (11) 79th St., permanent asphalt on 6 in. concrete foundation, regulating, resetting curb where necessary (12) 77th St., permanent asphalt on 6 in. concrete foundation; regulating and curbing (13) 89th St. from Colonial Rd. to Narrows Ave.; regulating and repaving (14) Gold and Johnson Sts., (15) Carrol St., (16) Clinton St., (17) Warehouse Ave., asphalt on present concrete foundation; regulating, grading, curbing, laying sidewalks and paving (18) Sheepshead Bay Rd. from

E. Bismice, 466 East 34th St., (1) $2,630.

Castle Bros., Inc., Johnson Pl., (1) $2,857, (3) $7,115, (9) $9,220.

A. C. Corbi, (1) $2,727.

F. Persicano, 513 Midwood St. (3) $7,115.

Simonelli & Son, Inc., 70 Spring St., New York City, (3) $7,115, (7) $1,640, (8) $2,747, (9) $9,899.

M. J. O'Hara, 557 3rd St., (4) $4,475, (18) $3,860.

C. Gallagher, 412 Academy St., (4) $5,672, (18) $5,509.

Cranford Co., 52 9th St., (5) $11,956, (6) $15,308, (10) $22,495, (11) $8,631, (12) $9,774, (14) $9,478, (15) $10,532.

Sicilian Asphalt Paving Co., 41 Park Row, New York City, (5) $13,430, (14) $9,053, (15) $10,154, (16) $2,608.

Borough Asphalt Co., 1301 Metropolitan Ave., (5) $12,516, (6) $16,069, (10) $23,753, (11) $9,117, (12) $10,424, (14) $8,946, (15) $10,218, (16) $2,658, (17) $9,641.

Caponi Cont. Co., 1320 65th St., (2) $1,850, (7) $1,618, (13) $1,492.

A. E. Castle, 3313 Tilden Ave., (7) $1,662, (8) $2,640.

Uvalde Asphalt Paving Co., Metropolitan Ave., (6) $17,040, (10) $25,239, (12) $10,861.

Pasalino Contg. Co., (9) $10,049.

L. Mangieri, 13 East 148th St., New York City, (2) $4,363.

B. Turecamo Contg. Co., Inc., 8796 Bay 12th St., (2) $4,714, (13) $1,568.

T. Walsh, 40 Buckingham Rd., (13) $1,613. Noted July 21.

★**N. Y., New York**—H. H. Curran, pres. Manhattan Boro., Municipal Bldg., let contract regulating and repairing Hancock St., etc., and widening and repairing 36th St., etc., to Cleveland-Trinidad Paving Co., Flushing, L. I., $9,303 and $44 575 respectively; 37th St., etc., to Sicilian Asphalt Paving Co., 41 Park Row, $49,218. Noted July 21.

N. Y., New York—H. H. Curran, pres. Manhattan Boro, Municipal Bldg., opened bids Aug. 1, widening and repaving 181st St. from Amsterdam to St. Nicholas Aves., asphalt block on concrete foundation from Regan Towers Co., 127 West 121st St., $24,550; Hastings Pavement Co., 25 Broad St., $31,196; P. J. Kearns Contg. Co., 2306 Creston Ave., $33 405. Noted July 28.

N. Y., New York—Park Bd. opened bids received July 21, repaving West Drive System south of 102d St. in Central Park, sheet asphalt on existing concrete foundation, from W. J. Fitzgerald, 547 West 45th St., $58,180; Brusstar Constr., Inc., Harlem River and 150th St., $62,255; C. D. Beckwith, 301 West 108th St., $63,005. Noted July 14.

N. Y., Syracuse—City received bids paving Allen St. from East Genesee to Euclid Ave., involving 14,355 sq.yd. (a) vitr. brick, (b) asphalt, from J. H. Gullup, Union Bldg., (a) $51,209, (b) $41,452, G. B. Dickison, Union Bldg., (a) $57,423, (b) $46,559; F. J. Baker, University Bldg., (a) $59,104, (b) $49,335.

★**New Jersey**—State Highway Dept., Broad St. Bank Bldg., Trenton, let contract building Route 12, Sect. 1, beginning at Pine Brook and ending at Parsippany, Morris Co., in municipalities of Montville and Hanover, also Bridges 84, M.P. 9.3-E, I beam 30 ft. clear span; 86, M.P. 8.9-E, I beam four 28 ft. spans; 88, M.P. 7.9-E, steel plate girder 70 ft. span; N, M.P. 6.2-E, I beam 15 ft. 6 in. span; all above to have concrete floor slabs and concrete foundations; also culverts M.P. 5.3-E and M.P. 4.7-E rein-con. boxes with wing walls for roadway having 30 ft. width, to Dover Boiler Wks., 90 East Dickerson St., Dover, $65,694. Noted July 21.

★**Pennsylvania**—State Highway Dept., Harrisburg, let contract building Route 281, Bucks Co., to McNichol Paving & Constr. Co., 1923 Cherry St., Phila., $346-555. Noted June 30.

★**Pa., Nanty-Glo**—Cambria Co. let contract grading, paving and curbing 1,800 ft. Chestnut, Roverts and Lloyd Sts., vitr. brick on concrete base, concrete curbs, to J. Elder, Ebensburg, $38,523. Noted July 21.

Pa., Phila.—City received bids paving (1) Germantown Ave. from Chelten Ave. to Walnut Lane, (2) Front St. from Laurel to Palmer Sts., and Palmer St. from Front to Delaware Aves., (3) Point Breeze Ave. from Dickinson to 24th Sts., (4) Grays Ferry Ave. from South to Federal Sts., (5) 49th St. from Larchwood to Paschall Sts., (6) Robbins St. from Torresdale Ave. to Roosevelt Blvd., (7) Spring Garden St. from Broad to 12th Sts., (8) 7th St. from Roosevelt Blvd. to Ruscomb St., (9) Stenton Ave. from Ognotz Ave. to Limekiln Pike (10) Limekiln Pike from Godfrey to Chelten Aves., (11) Lawrence St. from Olney to Chew Sts., Olney St. from 3d to 5th Sts., (12) 12th St. from Clearfield to Lippincott Sts., from Eastern Paving Co., Colonial Trust Bldg., (1) $37,525, (4) $62,107, (7) $29,271, (8) $22,117, (9) $19,217, (10) $17,-711, (11) $14,415, (12) $2,196; M. J. McCrudden, Real Estate Trust Bldg., (1) $39,743, (2) $69,827 (6) $53,211; Fish-Rutherford Co. Inc., Lincoln Bldg. (1) $40,173; Ryan Constr. Co., Real Estate Trust Bldg., (2) $63,228; Union Paving Co., 30th and Locust Sts., (2) $72,183, (5) $90,711, (7) $28,336; Lolove & Lewis, Phila., (3) $56,798; Cunningham & Murray, 1345 Arch St., (3) $58,400; Achione & Canuso, 13 Broad St., (3) $59,682, (4) $64,198; Mack Paving Co., Nicetown Lane and C St., (4) $62,355, (5) $90,942, (8) $23,942, (9) $19 893, (10) $21,552, (11) $15,671, (12) $3,269; Barber Asphalt Paving Co., Land Title Bldg., (5) $91,432, (8) $19,826, (9) $16,628, (10) $19,758, (11) $13,749, (12) $2,170; Curtis Bros., Longshore St., (6) $52,793; E. J. Boas, 201 North Broad St., (16) $54,212.

★**Pa., Phila.**—City let contract repaving Stanton and 65th Aves., redressed granite block, to Eastern Paving Co., Colonial Trust Bldg., $53,350.

Pa., Pittsburgh—City received bids repaving East St. from Royal to Creek Sts. from Booth & Flinn, Ltd., 1942 Forbes St., $42,544; J. H. McQuade Sons Co., Bakewell Bldg., $42,802; M. O'Herron Co., 1st and McKean Sts., $44,086. Noted July 14.

★**N. C., Greenville**—City let contract paving 9½ mi. Greenville-Ayde Rd., concrete, to Cheatwood-Driscoll Co., Richmond, Va. About $250,000.

★**South Carolina**—State Highway Dept., Columbia, let contract constructing 10 mi. road in Saluda Co., to C. E. Teague, Aiken, about $34,000; 20 mi. road from Orangeburg to Bowman, Orangeburg Co., to J. K. Mayfield, Bamberg, $65,000.

★**S. C., Abbeville**—Abbeville Co. let contract sand-clay surfacing 16 mi. Abbeville-Anderson Rd., to Elliott & Son, Abbeville, $47,652; 19 mi. Abbeville-Honea Path Rd., to R. P. Kyle, Charleston, $57,512.

S. C., Camden—Comrs. Kershaw Co., received low bid July 28, grading and surfacing 9 mi. Camden-Bishopville Rd., from Caughman Constr Co., Columbia. About $25,000. Noted July 14.

★**S. C., Orangeburg**—Orangeburg Co. let contract surfacing 30 mi. Orangeburg-Bowman Rd., sand clay, to J. K. Mayfield, Denmark, $64,294.

★**Fla., Bronson**—Levy Co. let contract laying 150,000 sq.yd. crushed rock base on road from Alachua Co. to Marion Co., via Williston, to Mickler & McLeod, Tampa, $110,600. State will at later date put on top of asphalt or concrete.

★**Fla., Haines City**—City let contract paving 2 mi. various streets, involving 20,000 sq.yd. asphalt block, to Mickler & McLeod, Tampa. About $63,000.

★**Alabama**—State Highway Dept., Montgomery, let contract grading, draining and surfacing with loose gravel, 9.59 mi. Montgomery-Birmingham Rd. from Jasper to Warrior River, to J. W. Gwin, Hamilton Sta., Birmingham, $125,072; 25.22 mi. road from Northport to New Lexington, to Thompson & Donahoo, Eutaw, $222,911. Noted July 7.

★**Louisiana**—State Highway Dept., New Orleans, let contract building 5.98 mi. Sect. B Alexandria-Oberlin Highway, Rapides Parish, to Singletary & Greer, Oakdale, $28,823.

★**Kentucky**—State Highway Dept., Frankfort, let contract shaping and draining 10.2 mi. Louisville-Paducah R. from Baskett Station Cinder Rd. Sta. 7282 plus 00 to Davies Co. line Sta. 6740 plus 18, Henderson Co., to Ellis & Smithers, Owensboro, $77,259; 1.5 m. Pineville-Barboursville Rr., from Knox Co. line Sta. 603 plus 88, toward Pineville to Sta. 683 plus 74.7, Bell Co., to Vermillion & Mitchell, Barboursville, $24,-297; shaping, draining and surfacing with bituminous macadam, penetration type, slag base, 5.1 mi. Catlettsburg-Grayson Rd., from Cannonsburg, Sta. 0 plus 00 to Carter Co. line Sta. 272 plus 53, to Federal Constr Co., Winchester, $222,067. Noted June 30.

Ky., Beattyville—City Council received bids grading, shaping, and surfacing with concrete and macadam, 17,762 sq.yd. Main, Lumber, Grand, Center, Walnut, Locust, Vine and Elm Sts., from Coddell-Byars Constr. Co., Winchester, $38,656; P. C. Beatty, Lexington, $47,084; E. K. Newell Co., Maysville, $3.05 per sq.yd. with concrete. Noted June 30.

★**Ohio**—L. C. Herrick, dir. Highways, Columbus, let contracts building roads in following counties:

Ashland Co., Sect. "A" Mansfield-Ashland Rd., 1.85 mi., grading, constructing bridges and culverts and paving with monolithic brick, to F. F. Mann & Sons, Ashlnd, $79,-451.

Sect. "B" Mansfield-Ashland Rd., 3.523 mi., grading and constructing bridges and culverts only, to J. F. Connors, 3126 West 86th St., Cleveland, $62,243.

Ashtabula Co., Sect. "C" Youngstown-Conneaut Rd., 4.997 mi., grading, constructing bridges and culverts and paving with bituminous macadam (T-1), to Gray Bros., Youngstown, $175,822.

Streets and Roads (continued)

Coshocton Co., Sect. "West Fafayette" Newcomerstown-Coshocton Rd., 0.915 mi., grading and paving with monolithic brick, to Henderson Bros., Coshocton, $38,047.

Crawford Co., Sect. "M," "N" Marion-Bucyrus Rd., 6.705 mi., grading, constructing bridges and culverts and paving with brick, to E. A. Freshwater, Painesville, $297,108.

Delaware Co., Sect. "A-1" Delaware-Marysville Rd., 1.176 mi., grading, constructing bridges and culverts and paving with bituminous macadam (T-1), to J. L. Edwards, Sunbury, $32,196.

Erie Co., Sect. "B" Lima-Sandusky Rd., 2.573 mi., grading, constructing bridges and culverts and paving with concrete, to Homeberger-Wager Eng. & Constr. Co., Sandusky, $97,090.

Sect. "Q" Sandusky-Norwalk Rd., 0.42 mi., grading, constructing drainage structures and paving with concrete and brick, to A. J. Baltes, Norwalk, $19,639.

Fulton Co., Sect. "Delta" Toledo-Wauseon Rd., 0.451 mi., grading, constructing drainage structure and paving with 1 course rein.-con., to LaBriteaux & Hayes, Toledo, $25,506.

Harding Co., Sect. "D" Marysville-Kenton Rd., 1.94 mi., Sect. Mt. Victory, Marysville-Kenton Rd., 0.645 mi., grading, constructing drainage structures and paving with bituminous macadam (A-1), to J. Herzog, Forest, $55,515 and $25,506 respectively.

Harrison Co., Sect. "R" Cadiz-Dennison Rd., 3.765 mi., grading, constructing bridges and culverts and paving with bituminous macadam, on rolled base, to Kane Bros. & Seaborne, Youngstown, $139,026.

Henry Co., Sect. "B-1" Toledo-Napolein Rd., 5.287 mi., grading an constructing drainage structures only, to Mangerink Bros., Napoleon, $24,113.

Hocking Co., Sect. "A-2" Logan-McArthur Rd., 2.623 mi., grading and constructing bridges and culverts only, to Young Eng. Co., Engineers Bldg., Cleveland, $37,067.

Holmes Co., Sect. "L-1" Mansfield-Millersburg Rd., 2.382 mi., grading and constructing drainage structures, to Young Eng. Co., Engrs. Bldg., Cleveland, $22,644.

Lucas Co., Sect. "C" Waterville-Swanton Rd., 3.513 mi. grading, constructing bridges and culverts and paving with two-course waterbound macadam, to J. A. Coon, Swanton, $76,263.

Morgan Co., Sect. "K-1" McConnellsville-Caldwell Rd., 1.637 mi., grading, constructing drainage structures and paving with bituminous macadam (T-1), to L. H. Nixon, Nelsonville, $60,532.

Paulding Co., Sect. "J" Payne-Hicksville Rd., 3.817 mi., grading, constructing bridges and culverts and paving with plain concrete, to Newell & Davoust, Defiance, $115,002.

Ross Co., Sect. "I-1" Chillicothe-Jackson Rd., 0.462 mi., grading, constructing bridges and culverts and paving with brick, to W. H. Ringwald Co., Chillicothe, $20,971.

Sandusky Co., Sect. "D-1" Fremont-Bowling Green Rd., 0.42 mi., grading, constructing bridges and culverts and paving with brick, to Modern Constr. Co., Fremont, $22,147.

Tuscarawas Co., Sect. "M" Newcomerstown-Uhrichsville Rd., 3.342 mi., grading, constructing bridges and culverts and paving with monolithic brick, to E. A. Freshwater, Painesville, $140,267.

Williams Co., Sect. "N-2" West Unity-Montpelier Rd., 0.891 mi., grading, constructing bridges and culverts and paving with bituminous macadam (A-1), to J. A. Elder, Bryan, $27,584.

Sect. "West Unity" West Unity-Montpelier Rd., grading and paving with bituminous macadam (T-1), to J. A. Elder, Bryan, $1,742.

Hamilton Co., Sect. "B" Harrison Pike, grading roadway and paving with bitoslag over fills, to Scully Bros., Harrison Pike, Cincinnati, $19,015.

Sect. "A" Carthage-Hamilton Rd., constructing crib diversion wall in west fork of Mill Creek, to Iliff Bros., London, $3,796.

Henry Co., Sect. "B" Bryan-Napoleon Rd., 1.44 mi., surfacing with 5 in. waterbound macadam, to Stone & Hell, Lima, $16,739.

Ottawa Co., Sect. "H" Toledo-Elmore Rd., 0.99 mi., surfacing with rein-concrete, to Barnes & Tabbert, Rocky Ridge, $21,912.

Pike Co., Sect. "B" Columbus-Portsmouth Rd., 0.812 mi., grading, constructing curb and paving with concrete, to Anderson Brown, Chillicothe, $28,615.

Richland Co., Sect. "G" and "K-1" Mansfield-Gallon Rd., 2.99 mi., repairing and resurfacing with waterbound macadam, to J. Herzog, Forest, $43,454.

Stark Co., Sect. "A" Canton-Canal Dover Rd., 1.48 mi., resurfacing with brick, to Burke Constr. Co., Canton, $49,852.

Hocking Co., Sect. "A" Logan-Athens Rd., constructing concrete bridge over Old Town Creek, to E. N. Turner, Logan, $9,873.

Montgomery Co., Sect. "F-1" Dayton-Troy Rd., repairing steel bridge, to H. A. MacDonald, Norwalk, $7,342.

Muskingum Co., Sect. "R" National Rd., constructing rein.-con. bridge, to D. L. Paul, Zanesville, $12,469.

Putnam Co., Sect. "Ottawa" Lima-Ottawa Rd., repairing bridge, to H. A. MacDonald, Norwalk, $5,892.

Logan Co., Sect. "B" Bellefontaine-Marysville Rd., constructing concrete beam bridge, to Bennett & Drum, Celina, $6,224.

Fulton Co., Sect. "J" Toledo-Angola Rd., constructing steel bridge, to LaBriteaux & Hayes, Toledo, $22,829.

Columbiana Co., Sect. "B" Ohio River Rd., constructing culvert, to Allison Harrison Co., East Liverpool, $8,270. Noted July 28.

★**O., Akron**—Summit Co. let contract grading northern approach of North Hill viaduct, 1,400 ft. long, 100 ft. wide, to Kahl Bros., 13004 Woodland St., Cleveland, $30,525.

★**O., Canton**—Stark Co. let contract paving 5,600 ft. Georgetown Rd. extension, 16 ft. wide, brick on slag base, concrete curb and asphalt filler, to Natl. Asphalt Paving Co., Canton, $52,933; 6,886 ft. Massillon-Akron Rd. from McDonaldsonsville to Summit Co. line, 16 ft. wide, brick on gravel base, bituminous filler, to A. F. Wendling Co., Massillon, $47,652.

O., Cleveland—Riverside Cementery received bids grading and paving at cementery, involving 2860 cu.yd. excav., 12,960 sq.yd. tarvia asphalt, from Spencer Bros., 2443 Woodhill Rd., $53,000; Cleveland Trinidad Paving Co., The Arcade, $55,000.

O., Garfield Heights (Garfield P. O.)—Village received bids paving East 85th St., involving 79,400 sq.yd. pavement, 4,560 cu. yd. excav., 6,100 ft. stone curbing, etc., from Cleveland Trinidad Paving Co., The Arcade, Cleveland, asphalt, $53,067; Enterprise Paving Constr. Co., 8444 Bway., Cleveland, brick, $56,322.

★**O. Steubenville**—City let contract improving Washington St., to Federal Asphalt Co., Hamilton, $28,716.

★**Mich., Adrian**—State Highway Dept. at office Bd. Rd. Comrs. Lenawee Co., let contract grading, draining and surfacing 0.782 mi. State Trunk Line Rd. 34-1, Sect. A, to Meredith & McVaugh, Tecumseh, $25,867; 1.149 mi. State Trunk Line Rd. 34-1, Sect. C, to C. E. Williams, Willoughby, O., $42,786. Noted June 30.

★**Mich., Grayling**—State Highway Dept. at office Bd. Rd. Comrs. Crawford Co. let contract grading and surfacing 2.03 mi. State Trunk Line Rd. 18-2, Sect. C, involving 7,497 cu.yd. excav., 19,053 sq.yd. gravel, to Crawford Co. Rd. Comn., Grayling, $31,173. Noted May 26.

★**Mich., Saginaw West Side**—State Highway Dept. at office Bd. Rd. Comrs. Saginaw Co., let contract surfacing 3 mi. Assessment Dist. Rd. 70, stone gravel, and 4 mi. Assessment Dist. Rd. 30, gravel, to McNally & Wickham, Saginaw, $41,264 and $32,142 respectively.

★**Mich., Sturgis**—City let contract building 20,000 sq.yd. concrete pavement, with combined curb and gutter, to J. B. Hoey, Grand Rapids, rein.-con., $2.20, curb and gutter, $0.85, excav., $1. Total cost $56,700.

★**Illinois**—Dept. Pub Wks. and Buildings, Div. Highway, Springfield, let contracts paving (1) 6 mi. state highway, Sect. C-1, Route 7, concrete, Putnam Co., (2) 0.44 mi. Sect. F-1-29a, Route 7, concrete, Putnam Co., (3) 4.91 mi. Sect. D-1, Route 7, concrete, Bureau Co., (4) 3.23 mi. Sect. J-1, Route 7, concrete, Bureau Co., (5) 1.61 mi. Sect. U-1, Route 7, concrete, La Salle Co., (6) 3.64 mi. Sect. V-2, Route 8, concrete, Macoupin Co., (7) 4.14 mi. Sect. L-1, Route 9, concrete, Effingham Co., (8) 2.17 mi. Sect. T-1, Route 9, concrete, Madison Co., (9) 3.81 mi. Sect. 1, Route 1, concrete, Clark Co., (10) 3.43 mi. Sect. 18, Route 2, concrete, Alexander Co., (11) 6.25 mi. Sect. 10, Route 4, concrete, Livingston Co., (12) 5.68 mi. Sect. 12, Route 4, concrete, Livingston Co., (13) 7.95 mi. Sect. 13, Route 4, concrete, McLean-Livingston Counties, (14) 7.28 mi. Sect. 11, Route 5, concrete, McHenry Co., (15) 4.43 mi. Sect. 14, Route 5, concrete, Boone Co., (16) 3.98 mi. Sect. 13, Route 5, concrete, Boone Co., (17) 6.12 mi. Sect. 12, Route 5, concrete, McHenry Co., (18) 3.09 mi. Sect. 15, Route 5, concrete, Boone Co., (19) 2.98 mi. Sect. 1, Route 7, concrete, Rock Island Co., (20) 2.54 mi. Sect. 2, Route 7, concrete, Henry Co., (21) 8.44 mi. Sect. 4, Route 7, concrete, Henry Co., (22) 2.38 mi. Sect. 1-Y, Route 10, concrete, Champaign Co., (23) 4.93 mi. Sect. 2, Route 10, concrete, Champaign Co., (24) 5.04 mi. Sect. 3, Route 10, concrete, Champaign Co., (25) 3.58 mi. Sect. 13, Route 10, concrete, Macon Co., (26) 3.63 mi. Sect. 14, Route 10, concrete, Macon Co., (27) 3.95 mi. Sect. 15, Route 10, concrete, Macon Co., (28) 6.12 mi. Sect. 24, Route 10, concrete, Sangamon-Morgan Counties, (29) 6.42 mi. Sect. 25, Route 10, concrete, Morgan Co., (30) 3.41 mi. Sect. V-1, Route 25, concrete, Effingham Co., to Jansen & Schafer, Pekin, (1) $113,706, (2) $8,287, (3) $99,308, (4) $63,493; Miller & Comstock, 221 Cooper St., Peoria, (5) $33,579; W. F. Smith & Co., Rensselaer, Ind., (6) $85,285; J. W. Etchison, Casey, (7) $91,658; Hugh Lumber & Constr. Co., Highland, (8) $52,705; Arnold & Co., Casey, (9) $74,978; F. T. Williams, Decatur, (10) $69,170; Cameron & Joyce, Keokuk, Ia., (11) (12) (13); F. C. Nelson, 1244 Marquette St., Racine, Wis., (14) and (15) $264,401; J. J. Dunnegan, Shenandoah, Ia., (16) $86,830, (19) (20) and (21) $319,541; Federal Paving Co., 133 West Washington St., Chicago, (17) $128,734, (18) $64,351; Barnes & Vehey Constr. Co., Effingham, (22) $48,916, (23) $102,543, (24) $107,541; Bd. Supervs. Macon Co., Decatur, (25) $73,966, (26) $75,206, (27) $80,992; W. D. Lonergan Constr. Co., New Madrid, Mo., (28) and (29) $284,292; C. J. Moritz, Inc., West Allis, Wis., (30) $58,106.

★**Wisconsin**—State Highway Comn., at div. office 8, Natl. Bank Bldg., Superior, let contract improving Wauzeka-Prairie du Chien Rd., Federal Aid Project 106, Crawford Co., to Nelson-Webber Constr. Co., Oconomowoc, involving 15.95 acres clearing and grubbing, at $100 per acre, 50,560 cu.yd. earth excav., $0.46, 12,145 cu.yd. loose rock, $0.70, 12,400 cu.yd. solid rock, $1.70, 777.5 sq.yd. surfacing, $0.50, 125 sq.yd. concrete surfacing, $3, 2,500 bbl. cement in bridges and culverts, $7,650, 771.6 cu.yd. Class A concrete in culverts, $20.75, 494.7 cu.yd. concrete in bridges $23.50, 192.2 cu.yd. Class B concrete, $21, 101.7 cu.yd. Class D concrete, $26.50, 168,670 lb. structural steel, $0.0575, etc., total $128,047; Superior-Danburg Rd., Project 201, Douglas Co., to S. J. Groves & Sons, Globe Bldg., Minneapolis, Minn., involving 19,293 cu.yd. earth excav., $0.64, 159.7 cu.yd. Class A concrete in culverts, $28, 5.25 acres clearing and grubbing, $125, 204 cu.yd. borrow excav., $0.67, etc., total $26,634. Noted July 7.

Wisconsin—State Highway Comn., Madison, received bids improving Merrill-Wausau Rd., Federal Aid Project 225, Marathon Co., involving 13,858 cu.yd. gravel surfacing, from Road Constr. Co., Wisconsin Rapids, $2.51 per cu.yd., total $34,784; $0.18 for each additional ½ mi. haul; Brogan & Burns, Green Bay, $3.77½; total $52,314.

★**Minnesota**—State Highway Comn., 920 Guardian Life Bldg., St. Paul, let contract improving 6 mi. State Project 8-22, Federal Aid Project 57, Beltrami Co., to M. Rosholt, Warba, about $32,420; 9.3 mi. State Project 2-21, through Tamarack, Federal Aid Project 149, Aitkin Co., to Minnesota Rural Express Co., Montevideo, $27,654; 7 mi. State Project 13-22, between Montgomery and New Prague, Federal Aid Project 89, LeSueur Co., to Couse & Campbell, 417 South 5th St., Minneapolis, $13,212. 26 mi. State Project 1-21, between Westcott and Northfield, Federal Aid Project 212, Dakota and Rice Counties, to Foley Bros., 209 Gilfillan Blk., St. Paul, $204,000; 18 mi. State Project 53-21, Federal Aid Project 22, Dakota Co., Div. A, to S. J. Peterson, 200 West Lake St., Minneapolis, $18,949, Div. B, to A. W. Wilson, Hastings; 4 mi. State Project 7-27, between Lewiston and Stockton, Federal Aid Project 96, Winona Co., to Campbell Constr. Co., 3050 Hennepin Ave., Minneapolis, $63,141. 10 mi. State Project 9-22, from Fairmont to East Martin Co. line, Federal Aid Project 228, Martin Co., to C. W. McNamara, Bristol, S. D., $37,331; 25 mi. State Project 9-24, between Blue Earth and Banks, Faribault Co., to Cramer & Co., 503 Pioneer Bldg., St. Paul, $67,972; 8 mi. State Project 54-22, near Herman, Federal Aid Project 225, Grant Co., to Reierson & Nohre, Thief River Falls, $17,597; 16 mi. State Project 10-34, between Howard Lake and Delano, Federal Aid Project 30, Wright Co., to Dobbelman & Rasmussen, 4231 Colfax Ave., S., Minneapolis, $34,141, tile on above project, to J. Jorgensen, Estherville, Ia., $4,332; draining State Project 10-35, between Howard Lake and Dassel, involving 32,030 lin. ft. 6 in. and 10,220 ft. 10 in. tile, to J. Jorgensen,

Streets and Roads (continued)

Estherville, Ia., $6,921; grading and building culverts on 23.4 mi. State Project 9-23, Federal Aid Project 224, Jackson and Nobles Counties, grading, to G. N. Humphrey, 512 South State St., Aberdeen, S. D., $81,571, monolithic culverts, to Wessell Bros., 413 Guardian Life Bldg., St. Paul, $22,069. Noted July 21 and 28.

★**Minn., Duluth**—St. Louis Co. let contract laying 15 mi. concrete pavement on Miller Trunk Rd., from Duluth Heights to Pike Lake, involving 158,193 sq.yd. concrete and 12 mi. Miller Trunk Rd. from Pike Lake to Canadian & Northern R.R. crossing, 133,190 sq.yd. concrete, to Jacobson Bros., 410 Columbia Bldg., $505,394 and $447,446 respectively; grading, ditching and macadamizing 15.08 mi. State Trunk Rd. 35, from Virginia to Chisholm, 30 ft. wide, subgrading and ditching 20 mi. State Rd. 35, Soudan to Ely, 30 ft. wide, to A. Guthrie & Co., 366 Jackson St., St. Paul, $278,818 and $346,599 respectively; grading, ditching and macadamizing 8 mi. State Highway 3, along shore of Lake Superior from Duluth city limits to Lake Co. line, 30 ft. wide, to D. L. Clough Co., 707 East 1st St., $132,863; ditching and subgrading 15.36 mi. State Highway 35, from Virginia to Aurora, 30 ft. wide, to H. W. Coons Hibbing, and Winston Bros., 801 Glove Bldg., Minneapolis, 272,968. Noted June 23.

★**Minn., Jackson**—Jackson Co. will grade and gravel Federal Aid Project 134, State Rd. 2, 24 ft. wide. About $30,000. Work will be done by force account. Former bids rejected. Noted July 7.

★**Minn., Litchfield**—Meeker Co. let contract improving 7 mi. State Rd. 4, Job 2101, between Dassel & Kingston, 24 ft. wide, to Nelson, Fulton & Nelson, Plymouth Bldg., Minneapolis, $36,292; 4 mi. State Rd. 4, Job 2103, between Union Grove and Swede Grove Twps., to Studer & Manson, Excelsior, $9,816. Noted July 21.

★**Minn., Long Prairie**—Todd Co. let contract improving State Highway 4, Federal Aid Project 99, involving 20,308 lin.ft. gravel surfacing and 89,442 lin.ft. shaping and compacting, to C. F. Sculley Equipment Co., 2173 Shelby Ave., St. Paul, $26,677.

★**Kan., Syracuse**—Hamilton Co. let following contract grading and building bridges on 5.67 mi. Santa Fe Trail, Federal Aid Project 77, 24 ft. wide, involving 651.4 cu.yd. concrete, grading Sect. A, to J. B. Pratt, Syracuse, $12,742; building culverts in Sect. A, to Campbell Bros., Kansas City, Mo., $4,107; bridges on Sect. B, The Maxwell Constr. Co., Columbus, $13,609. Noted July 7.

★**Montana**—State Highway Comn. let contracts building 5 mi. Livingston-Wilsall Rd., Federal Aid Project 60A, Park Co., to B. P. Melchert, 203 Montana Blvd., Lewiston, $41,326; 6 mi. Federal Aid Project 105, Park Co., to Treasure State Constr. Co., Roundup, $65,505; 5 mi. Belknap-Furlong Rd., Federal Aid Project 90, Sanders Co., grading to Clifton, Applegate & Toole, 2 North Cedar St., Anaconda, $27,735; timber bridge, to Security Bridge Co., 502 North 32d St., Billings, $14,605. Noted June 16.

Wyoming—State Highway Dept., Cheyenne, plans to grade 101.58 mi. state highways, 10 mi. in Natrona Co., 8.58 mi. Yellowstone Highway in Platte Co., 22 mi. in Goshen Co., 11.9 mi. in Niobrara Co. and 49.1 mi. in Fremont Co. About $71,929. Work will be done by State forces. Z. E. Sevison, state enrg.

★**Missouri**—State Highway Dept., St. Genevieve, let contract building 2.44 mi. state road from Bloomsdale northwestward, State Aid Project 20.31, St. Genevieve Co., to S. P. Reynolds, Caruthersville, $26,348. Noted July 21.

★**Mo., Clinton**—City let contract paving 11 blocks North Washington St., brick on concrete base, to W. F. Hall, Clinton, $2.71 per sq.yd. About $25,000. Noted July 7.

★**Mo., Linn Creek**—Camden Co. let contract grading and building culverts on Project 20.41, to Newton Constr. Co., Jefferson City, $28,765.

★**Mo., Marshall**—City let contract paving Eastwood Ave., from east line of Odell St. to east city limits, to Land & Anderson, 3721 Bway., Kansas City. About $32,000. Noted July 21.

★**Tex., Beeville**—Bee Co. let contracts clearing, grubbing, grading, gravel surfacing and draining 8.5 mi. State Highway 9 from Karnes Co. line south, involving 1,278 cu.yd. Class A concrete, 22,680 cu.yd. unclassified earth excav, 89,875 lb. reinforcing steel, 19,966 cu.yd. adobe and 16,454 cu. yd. gravel surfacing, also 10.5 mi. State Highway 9 from San Patricio Co. north toward here, involving 173.68 cu. yd. 1:2:4 concrete 98,855 sq.yd. bituminous macadam, 16,008 lb. reinforcing steel, 31,555 cu.yd. gravel surfacing, to Smith Bros., Crockett, $191,744 and $187,865 respectively.

★**Tex., Cameron**—Milam Co. let contracts (a) grading and gravel surfacing, (b) constructing concrete and wooden drainage structures, on 22 mi. Buckholts-Milano Rd. Dist. 8, 14 ft. wide, to Rice & Winder, Austin, (a) $60,029; J. S. Barmore, Cameron, (b) $16,046.

Tex., San Augustine—San Augustine Co. received bids clearing, grubbing, grading, draining and building bridges on 20.97 mi. from D. Lavore, Palestine, $217,407; Smith Bros., Crockett, $233,097; G. Z. McClung Constr. Co., Cleburne, $245,873. Noted July 7.

Tex., Waxahachie—Ellis Co. received bids grading, surfacing and draining 4.23 mi. Highway 14 from Ennis north; (2) 7.18 mi. State Highway 14 from Ennis south; from Scarbrough & Smith, Cleburne, (1) $21,313, (2) $47,441; A. C. Buchanan & Son, Temple, (1) $21,689 (2) $49,055; O'Connor & McEnroe Co., Cleburne, (1) $22,564 (2) $50,680. Gravel to be furnished by county.

★**Colorado**—State Highway Dept, Denver, let contract grading and draining 3.308 mi. Redcliff-Gilman Rd., Federal Aid Project 182, Eagle Co., to Peterson, Shirley & Gunther, Gunther Bldg., Omaha, Neb., $77,486; 3.124 mi. Ouray-Silverton Rd., Federal Aid Project 174, Ouray Co., to Pickering Bros. Constr. Co., Salt Lake City, Utah, $60,841. Noted July 7.

Wash., Seattle—City received bids July 23, concrete curbing West Massachusetts St., et. al., involving 27,175 lin. ft. special concrete curbing, 2,100 lin. ft. 6 in. side connections, concrete pipe, and 1,400 sq.yd. 2 course concrete walks, (a) clay, (b) concrete, from Scalzo & Co., 1708 22nd Ave. S., (a) $41,857, (b) $41,752; J. B. Murphy, Central Bldg., (a) $45,722, (b) $45,601; Interstate Constr. Co., Green Bldg., (a) $45,796, (b) $45,796.

★**California**—State Highway Dept., 515 Forum Bldg., Sacramento, let contract paving 10.6 mi. state highway between Weaverville and Tom Long Gulch, Federal Aid Project 81, Trinity Co., Portland cement, to Chadwick & Sykes, Crocker Bldg., San Francisco, $172,076. Noted July 21.

Cal., El Monte—Bd. Trustees received bids July 7 paving Main St., Granada Ave. and 7 other streets, concrete, from H. M. Hanawalt, La Verne, $51,522; W. Liddington, 420 East 60th St., Los Angeles, $55,432; Kneen Paving Co., Dudley Bldg., Santa Monica, $52,290. Noted June 23.

★**Cal., Inglewood**—City let contract paving Centinela Ave. between Sante Fe Ry. and Damask Ave., 6 in. concrete, to G. H. Oswald, 366 East 58th St., Los Angeles, $40,841.

★**Cal., Santa Barbara**—City let contracts to Fairchild-Gilmore-Wilton Co., Quin and Salsipuedes, Sts., grading, draining, paving, curbing and guttering, Arrellaga St. between Bath and Canal Sts., $33,460, Milpas St. between Haly and Amapamu Sts., $40,266; to Cook, Wyant & Moore, 1st Natl. Bank Bldg., grading, draining, curbing and guttering, Pedregosa St. between Bath and State Sts., $6,820.

Ont., Hamilton—City will pave 24,000 sq. yd. Main St. from Ottawa St. to Kenilworth Ave., asphalt. About $110,000. Work will be done by day labor. E. R. Gray, city engr.

★**Ont., Hamilton**—City will pave Edinburgh and Grovenor Aves., involving 5,000 sq. yd. asphalt, 1,000 lin. ft. curb, cost $26,00, also build sidewalks and curbs on Glen Rd., Gore St., Kenilworth, Wexford and Harmony Aves., involving 2,240 sq. yd. cement, 3,600 lin. ft. curbs, cost $9,000. Work wil be done by day labor.

★**Ont., Ridgetown**—Town let contract building 6,300 ft. concrete pavement, 18-24 ft. wide, to Archibald Constr. Co., 120 Delaware Ave., Toronto. About $40,000.

★**Ont., Toronto**—City let contracts building concrete sidewalks on Ivy, Westlake and Kew Beach Aves., to A. J. Penberthy, 292 Booth Ave.; Shaw St., Lincoln and Salem Aves., to Huckle Bros., 1162 Dufferin St.; Roblock Ave., to Grant Contg. Co., 50 Front St. E. About $30,000.

★**Ont., Trafalgar**—Twp. let contract building 4 mi. concrete road, to Lumsdem Eng. Co., 6 Adelaide St. E., Toronto. About $65,000.

Industrial Works

PROPOSED WORK

Mass., Springfield—J. W. and A. Goffman, 222 Chestnut St., plans to build 1 story, brick and concrete garage on Main St. About $40,000. Architect not selected.

Conn., Bridgeport — Estate of S. H. Wheeler, 1188 Main St., having plans prepared by C. F. Baron, archt., 79 Sage St., for 1 or 2 story, 80 x 100 ft. concrete garage and repair shop on Middle and Gold Sts.

N. Y., Brooklyn—L. Hirsh, 22 Varet St., soon receives bids building 4 story, 90 x 100 ft., brick, steel and concrete factory, concrete foundation, on Thames St. near Morgan Ave. About $150,000. M. Klein, 37 Graham Ave., archt. and engr.

O., Bay Village—Northern Light & Power Co., c/o I. H. Case, Eaglecliff, having plans prepared by A. W. Harris, archt., Schofield Bldg., Cleveland, for 1 story, 40 x 72 ft. brick and steel power plant, here. About $75,000.

O., Cleveland—C. Rivitz & Co., 108 High St., having plans prepared by W. H. Hatch, archt., 10602 Olivet Ave., for 4 story, 50 x 132 ft., brick and steel warehouse and office on East 20th St. and St. Clair Ave. About $150,000.

O., Columbus—Bd. Dirs. Ohio State University having plans prepared by J. N. Bradford, archt., c/o owner, for 2 story, 100 x 300 ft., brick and concrete addition to power house, on Campus. About $300,000.

O., Troy—J. Stickel, Market St., plans to build 2 story ice plant, rein.-con. and brick, rein.-con. flooring. About $50,000. Private plans.

Ind., Mishawaka — Mishawaka Woolen Co. plans to build 6 story, 76 x 105 ft. brick and rein.-con. warehouse, rein.-con. flooring. About $500,000. A. Kahn, Marquette Bldg., Detroit, Mich., archt.

Wis., Milwaukee—Van Buren Garage Co., 174 Ogden Ave., having plans prepared by R. E. Oberst, archt., 307 Grand Ave., for 2 story, 60 x 127 ft., brick and concrete garage, rein.-con. flooring, concrete foundation, on Van Buren St. About $75,000.

Ia., Cedar Rapids—Harper & McIntire Co., Ottumwa, having plans prepared by Croft & Boerner, Inc., archts., 1006 Marquette Ave., Minneapolis, for 2 story, 100 x 140 ft. rein.-con., brick, stone and tile warehouse, on 6th Ave., S., and 4th St. About $100,000.

Minn., St. Paul—Owens Motor Sales Co., 713 University Ave., rejected bids constructing additional story to present building and 2 story, 50 ft. brick and concrete addition to garage. About $800,000 Toltz, King & Day, 1410 Pioneer Bldg., archts. Noted June 9.

Kan., Concordia—Union Pacific R. R. c/o W. Jeffers, mgr., Omaha, Neb., having plans prepared for 2 story, concrete, brick and steel freight depot, here. About $150,000. Private plans.

Mo., St. Louis—St. Charles Garage Co., c/o T. S. Kirkpatrick, 5510 Cates Ave., having plans prepared by N. B. Howard, archt., Arcade Bldg., for 4 story, 130 x 160 ft. rein.-con. brick and steel garage on St. Charles and 11th Sts. About $350,000.

Ont., St. Marys—St. Marys Milling Co. plans to rebuild factory recently destroyed by fire. Los $150,000. G. L. Rice, mgr.

BIDS DESIRED

Me., Gardner—Lockwood, Green & Co., archts. and engrs., 60 Federal St., Boston, receiving bids building 3 story, brick and steel addition to shoe factory of R. P. Hazzard Co., 421 Water St. Cost between $60,000 and $70,000.

Conn., Suffield—K. Kulle receiving bids building 1 story, 100 x 210 ft. warehouse, brick, cement flooring, concrete foundation. Private plans.

N. Y., Ossining—Until Aug. 16, by C. F. Rattigan, supt. State Prisons, Capitol, Albany, building addition to power house, at Sing Sing Prison, here. L. F. Pilcher, Capitol, Albany, state archt.; advertised in this issue.

O., Columbus—Until Aug. 17, by Braun, Fleming, Knollman & Prior, engrs., 233 South High St., building 1 story, 70 x 200 ft. and 110 x 123 ft. factory, steel and saw tooth construction, on West 1st Ave., for Columbus Forge & Iron Co., West 1st Ave. About $80,000. Noted June 2.

Industrial Works (Continued)

O., Elyria—Until Aug. 9, by Bd. Educ., building 1 story, 40 x 60 ft. central heating plant, brick, steel and concrete, rein.-con. flooring, concrete foundation. About $100,000. W. S. Rockwood, clk. Phegley & Szekeley, 5716 Euclid Ave., Cleveland, engrs.

Ill., Joliet—Until Aug. 15, by Zimmerman, Saxie & Zimmerman, archts., 64 East Van Buren St., Chicago, building 2 story, 47 x 64 ft. brick, concrete and steel plant, for Coal Products Mfg. Co. About $75,000.

Wis., Milwaukee—O. R. Schendel, 191 16th St., receiving bids building 2 story, 50 x 82 ft., brick, concrete and steel addition to garage, rein.-con. flooring, concrete foundation. About $40,000. Private plans.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Me., Greenville**—Great Northern Paper Co., Millinocket, let contract building 1 story, 102 x 218 ft. rein.-con. repair shop, here, to H. P. Cummings, Portland. About $100,000. Noted July 28.

★**N. H., Seabrook**—Atlantic Bldg. Associates let contract building 3 story, 40 x 170 ft. brick factory, to R. Watkins, Amesbury, Mass. About $75,000. Noted April 28.

★**Mass., Cambridge** — Cambridge Gas Light Co., 719 Massachusetts Ave., let contract altering boiler house, concrete and steel, and installing two 350 H.P. steam boilers, to New England Structural Co., 110 State St., Boston. About $70,000.

★**Mass., Everett**—Builders Iron & Steel Co., Garvey St., let contract building 1 story, brick and steel factory, rein. con. flooring, concrete foundation, to Blake & Pope Co., 15 Beacon St., Boston. About $75,000.

★**Conn., Ansonia**—Ansonia Electric Co., 55 Main St., let contract building 2 story, 60 x 200 ft., rein.-con., brick and steel factory, rein. con. flooring, concrete foundation, to Aberthaw Constr. Co., 27 School St., Boston. About $250,000. Noted June 28.

★**Conn., Hartford**—City Health and Charity Depts. let contract building 2 story, 43 x 63 brick and concrete heating plant and laundry, also two 68 x 204 ft. concrete tunnels and 25 x 65 ft. concrete coal bunker on Holcomb St., to G. Cudemo, 327 Trumbull St. About $80,000. Noted July 28.

★**N. Y., College Point**—I. B. Kleinert Rubber Co., 725 Bway., New York City, let contract building 4 story, 75 x 150 ft. rein.-con., factory, to White Constr. Co., Inc., 95 Madison Ave., New York City. About $225,000.

★**O., Cleveland** — J. Laronge Co., 214 Williamson Bldg., let contract building 2 story, 42 x 75 ft. brick, steel and concrete garage, rein.-con. flooring, concrete foundation, at 2422 Prospect Ave., to W. I. Thompson & Sons Co., 5103 Euclid Ave. About $40,000.

Ind., Indianapolis—Natl. Paper Stock Co., 243 West Merrill St., let contract building 4 story, 110 x 142 ft. warehouse, brick and rein.-con., rein.-con. flooring, on West 11th St., to Builders' Constr. Co., 540 North Meridian St. About $200,000.

★**Ill., Niles** (Chicago P. O.)—St. Hedwigs Industrial School for Girls' let contract building 2 story printery and infirmary, brick and concrete, rein.-con. flooring, concrete foundation, to J. F. Schrambeck, 3414 North Hamlin St., Chicago, and F.

★**Mo., St. Louis**—C. G. Porter, 11 Sunset Ave., Richmond Heights, let contract building 1 story, 60 x 138 ft., brick and steel garage, on High Point St., here, to Rhodes & Cook, 6240 Delmar St. About $40,000.

Buildings

PROPOSED WORK

Mass., Amherst—Hotel—Amherst College having preliminary plans prepared by Putnam & Cox, archts., 114 State St., Boston, for 3 story, brick and steel. About $150,000.

Mass., Boston—Bank and Office—Harris, Forbes & Co., 35 Federal St., having plans prepared by Lockwood, Green & Co., archts., 209 Washington St., for 1 story, 70 x 80 ft., steel, brick and limestone, on Federal St. About $400,000.

Mass., Chester—School—Town Building Comn. having plans prepared by M. B. Harding, archt., 35 Elm St., for 2 story, brick, steel and concrete, on Center St. About $150,000.

Conn., Bridgeport — Church — St. Joseph Catholic Church having plans prepared by J. A. Jackson, archt., 660 George St., New Haven, for 1 story, 55x125 ft., brick and stone, on Madison Ave. H. Dahme, 96 Catherine St., pastor.

Conn., Hartford — School and Hall — St. Augustine Catholic Church plans to build school and hall. About $150,000. M. W. Barry, 10 Campfield Ave., pastor. Architect not selected.

Conn., Norwalk — Club — Norwalk Boys Club Comn. having plans prepared by Davis & Dane, archts., 1024 Main St., Bridgeport, for 3 story, 600x100 ft., brick, steel and concrete, on West St. J. H. Light, 100 Washington St., chr. Noted July 28.

Conn., Norwich — Store and Business—Schwartz Bros., 72 Main St., having plans prepared by Wiesner & Uffner, archts., 501 East Tremont Ave., New York City, for 3 story, 60 x 120 ft., brick, cement and stone. About $150,000.

Conn., Stafford Springs — Memorial — Warren Memorial Building Comn. plans to build 2 story, stone, brick and steel. About $150,000. E. C. and G. C. Gardner, 33 Lyman St., Springfield, Mass., archts.

Conn., West Hartford—Church—First Unitarian Church plans to build 1 story, brick and stone on Pratt St. About $150,000. C. Graves, Whitman Ave., pastor. Architect not announced.

N. Y., Hammel (Far Rockaway P. O.)—Hospital—Rockaway Beach Hospital, c/o J. E. Woodwell, archt. and engr., 501 5th Ave., New York City, rejected bids building brick, steel and stone addition, concrete foundation, here. About $250,000. Noted July 21.

N. Y., Long Island City—Apartment—Queens Realty Corp., c/o Neville & Bagge, archts. and engrs., 570 Bergen Ave., Bronx, having plans prepared for 1 story, 150 x 200 ft., brick, steel and stone, on Queens Blvd. from Lowery to Bragaw Sts. About $750,000.

N. Y., New York—Office and Bank—Excelsior Savings Bank, 6th Ave. and 23rd St., having plans prepared by R. H. Almiroty, archt. and engr., 48 West 46th St., for 12 story, 50 x 100 ft., brick, steel and stone concrete foundation, at 221 West 57th St. About $250,000.

N. Y., New York — Store and Office—Estate of E. Higgin, c/o B. W. Dorfman, archt. and engr., 26 Court St., Brooklyn, soon receives bids building 3 story, 100 x 200 ft. brick, steel and stone, concrete foundation, on 124th St. between 8th and St. Nicholas Aves., here. About $300,000.

N. J., East Orange — Gymnasium—Bd. Educ. soon receives bids building brick, steel and stone, concrete foundation. About $200,000. Guilbert & Betelle, 2 Lombardy St., Newark, archts. and engrs.

N. J., Kearney—High School—Bd. Educ. opens bids about Aug. 15, building brick, steel and stone, concrete foundation. About $700,000. Guilbert & Betelle, 2 Lombardy St., Newark, archts. and engrs.

N. J., Newark — Apartment Hotel—H. Kruvant, 88 Rose Terrace, having plans prepared by Bachoff, Jones & Cook, archts. and engrs., 9 Clinton St., for 8 story, brick, steel and stone, concrete foundation, on High and Clinton Sts. About $600,000.

N. J., Newark—School—Bd. Educ., City Hall, Broad St., opens bids about Sept. 15, building schools on Charlton and Elliot Aves., both brick, steel and stone, concrete foundations. About $250,000 each. Private plans.

N. J., Newark—School—Bd. Educ., City Hall, Broad St., opens bids about Sept. 15, building brick, steel and stone, concrete foundation, on Abington Ave. About $250,000. Private plans. Noted Feb. 10.

N. J., Newark—Temple—Strombach & Martens, archts. and engrs., 1091 Clinton Ave., Irvington, open bids about Aug. 20 building 4 story, 50 x 126 ft., on Clinton and Seymour Aves., for Clinton Hill Masonic Temple. About $175,000. Noted May 19.

N. J., Newark—Y. M. H. A. had plans prepared by F. Grad, archt. and engr., 245 Springfield Ave., for brick, steel and stone building concrete foundation. About $400,000. Noted June 30.

N. J., Summit—School—Bd. Educ. soon receives bids building brick, steel and stone, concrete foundation. About $200,000. Guilbert & Bettelle, 2 Lombardy St., Newark, archts. and engrs.

N. J., Verona—Administration—Essex Mountain Sanitarium opens bids about Aug. 15, building brick, steel and stone, concrete pile foundation. About $200,000. Runyon & Carey, 845 Broad St., Newark, engrs. J. Green, 31 Clinton St., Newark, archt.

Pa., Braddock—Theater and Office—B. Burke, 860 Braddock Ave., having plans prepared by H. S. Bair, archt., Vandergrift Bldg., Pittsburgh, for 1½ story, 80 x 125 ft. concrete and steel, rein.-con. flooring, at 840 Braddock Ave. Cost between $200,000 and $250,000.

Pa., Lancaster — Gymnasium — W. C. Pritchett, archt., 420 Walnut St., Phila., receives bids about Sept. 15, building 2 story, 65x130 ft. on College Ave. and Harrisburg Pike for F. E. M. College, H. H. Apple, Lancaster. About $150,000.

Pa., Pottstown—High School—Bd. Educ., West and Franklin Sts., soon receives bids building 3 story, brick, steel and stone on Franklin St. About $450,000. J. T. Simpson, 31 Clinton St., Newark, N. J., archt. and engr.

Pa., Somerset—Theatre—C. P. Pasco, Grand Theatre Bldg., plans to build 3 story, 66 x 180 ft. rein.-con., brick and steel, concrete foundation, on Main St. About $150,000. Architect not selected.

Pa., Washington—Hotel and Theatre—George Washington Hotel, Inc., opens bids about Aug. 10, building 10 story, 162 x 226 ft. concrete, brick and steel, rein.-con. flooring, on Main and Cherry Sts. W. K. Stoddart, 9 East 40th St., New York City, archt. Noted July 21.

Pa., Reading — Store — Dives-Pomroy-Stewart having preliminary plans prepared by F. A. Muhlenberg, archt., Flanders Bldg., Phila., for 7 story, on 6th and Court Sts. About $200,000.

W. Va., Logan—Hospital—Guyan Valley Hospital Co., having plans prepared by W. B. Smith, archt., Logan, for hospital. About $150,000. Address H. D. Hotfield, c/o Kessler, Hotfield Hospital Co., Huntington. Noted July 28.

W. Va., Romney—High School—Bd. Educ. Hampshire Co. plans to build high school, here. About $150,000.

W. Va., Wayne—High School—Bd. Educ. Wayne Co. plans to build high school, here. About $150,000.

N. C., Elizabeth City — School — State plans to construct building at Negro Normal School on campus, here. About $180,000. J. A. Salter, Commercial Bank Bldg., Raleigh, archt.

La., New Orleans — Schools — Orleans Parish School Bd. having plans prepared by City Architect for 5 school buildings. About $1,250,000.

Tenn., Memphis — Club — Regan & Well and J. H. Kramer, archts., Bank Commerce Bldg. and opens bids about Aug. 20, building 5 story, 97 x 149 ft., steel, concrete and tile, on Adams and 3d Sts., for Catholic Club. About $500,000.

Ky., Louisville — Seminary — Southern Baptist Theological Seminary, 5th St. and Bway., plans to build seminary on Cherokee Drive. About $2,000,000.

O., Cleveland—See "Industrial Works."

O., Cleveland—Store and Office—Euclid Thirtieth Realty Co., 5103 Euclid Ave., having plans prepared by E. McGeorge, archt., 1900 Euclid Ave., for 4 story, 50x200 ft. brick, steel and concrete, rein.-con. flooring, concrete foundation, on East 30th and Euclid Ave. About $150,000. J. W. Thompson, secy.

O., Columbus — Dormitory — Thatcher Bldg. Co., 501 James Bldg., having sketches made for 7 story, men's dormitory on High St. About $500,000. A. J. Thatcher, pres.

O., Columbus—University—Bd. Dirs. Ohio State University having plans prepared by J. N. Bradford, archt., c/o owner, for 3 story, 94 x 140 ft. addition to physics building, cost $100,000; 4 story science building and college of medicine, $250,000; 4 story college of commerce and journalism, $400,000; 4 story administration building, $250,000; 4 story, 40 x 150 ft. addition to girls' dormitory, $150,000; 3 story, 60 x 100 ft. addition to Brown Hall, $100,000, brick, steel, stone and concrete. C. E. Steele, secy.

Buildings (Continued)

O., East Cleveland (Cleveland P. O.)—Community—Windemere Methodist Episcopal Church, c/o H. K. Ferguson, Vickers Bldg., Cleveland, plans to build 2 story, brick, steel and stone, on Holyoke Rd. and Euclid Ave. About $220,000. Architect not selected.

O., East Cleveland (Cleveland P. O.)—High School—Bd. Educ. plans to build 3 story, 30 room, brick, steel and concrete, rein.-con. flooring, concrete foundation, on Euclid Ave. opposite Grasmere Ave. About $450,000. C. E. Tilden, 15144 Euclid Ave., dir. schools. Architect not selected.

O., Fort McKinley (Taylorsburg P. O.)—Convent and Chapel—Sisters of Precious Blood, Dayton, having plans prepared by F. Kratzer, archt., 4106 Nebraska Ave., St. Louis, Mo., for 3 story, 60 x 200 ft., brick and rein.-con., rein.-con. flooring, concrete foundation. About $175,000.

O., Lakewood—Commercial and Lodge—Lakewood Lodge Knights of Pythias, c/o E. L. McIntyre, 1656 Wager Ave., plans to build 3 story, brick and concrete, rein.-con. flooring, concrete foundation, on Westlake and Detroit Aves. About $150,000. Architect not selected.

O., Marion—Hospital—City having plans prepared by V. Redding, archt., Mansfield, for 2 story, 36 x 124 ft. brick and concrete addition. About $200,000.

O., Rocky River—Schools—Bd. Educ., Northridge Rd., having plans prepared by W. H. Nicklas, archt., 1900 Euclid Ave., Cleveland, for two 2 story additions, rein.-con., steel and brick, rein.-con. flooring, concrete foundations. About $225,000. Noted July 7.

Ind., Anderson — Hospital — Home Hospital plans to build 3 story, 72 x 88 ft., brick, rein.-con. flooring, on West 8th St. About $150,000. E. F. Miller, Anderson, archt.

Ind., Goshen—Hotel—E. George plans to build 4 story, brick, rein.-con. flooring. About $400,000. Architect not selected.

Ind., Indianapolis—Office—Libby Realty Co., c/o Vonnegut, Bohn & Mueller, archts., Indiana Trust Bldg., having plans prepared for 12 story, steel and brick, rein.-con. flooring at 2 North Illinois St. About $750,000.

Ind., Laporte — Advance Rumely Co., Capitol Ave and Georgia St., having plans prepared by J. C. Llewellyn, archt., 385 South Dearborn St., Chicago, for 1 story, brick factory, rein.-con. flooring. About $50,000.

Ind., Lebanon—Church—Methodist Episcopal Church plans to build 3 story, 135 x 150 ft., brick, rein.-con. and steel, rein.-con. flooring. About $170,000. Lowe & Bollenbacker, 108 South La Salle St., Chicago, archts.

Ind., Linden—School—City, c/o T. Hall, trustee, having plans prepared by L. F. W. Steube & Co., archts., Danville, Ill., for 2 story, 100 x 110 ft. brick and hollow tile. About $155,000.

Ind., New Albany—Theatre and Lodge—B. P. O. Elks plan to build 3 story, brick, rein.-con. flooring. About $150,000. Joseph & Joseph, Taylor Bldg., Louisville Ky., archts.

Ind., Wabash—Memorial — American Legion plans to build 3 story, brick, rein.-con. flooring. About $200,000. Nicol, Scholer & Hoffman, 212 Murdock Bldg., Lafayette, archts.

Ill., Rockford—High School—Bd. Educ. having plans prepared by Peterson & Johnson archts., Swedish Amer. Bank, for 3 story, brick, rein.-con., limestone and terra cotta. About $650,000. E. E. Lewis, supt.

Ill., Centralia—Hospital—St. Marys Hospital, 207 North Elm St., plans to build 2 story, brick, stone and rein.-con. About $170,000. Architect not selected.

Ill., East St. Louis—School—Bd. Educ. having plans prepared by A. B. Frankel, archt., First Natl. Bank Bldg., for Hawthorne School, 2 story, brick, stone, steel and rein.-con., on 40th and Caseyville Sts. About $200,000.

Ill., Greenfield—High School—Bd. Educ. having plans prepared by M. J. Geise, archt., 800½ Main St., Quincy, for 2 story, rein.-con., brick and stone. About $150,000.

Ill., Springfield—High School—Bd. Educ., c/o M. G. Owen, soon receives bids constructing Fitzehaus School, 2 story, 70 x 180 ft. with 65 x 90 ft. ell, brick. About $200,000. Former contract cancelled. Helme & Helme, Ferguson Bldg., archts.

Wis., Wausau—Hospital—D. L. Plumer Hospital, c/o A. P. Woodson, McIndoe St., having preliminary plans prepared by R. E. Schmidt, Garden & Martin, archts., 104 South Michigan Ave., Chicago, for 4 story. Cost between $200,000 and $300,000.

Minn., Minneapolis—School — MacPhail School of Music and Dramatic Art, 804-06 Nicollet Ave., plans to build school, probably 4 story, on LaSalle Ave. and 12th St. About $250,000. W. MacPhail, pres. Architect not announced.

Kan., Pittsburgh — Office — Joplin, Pittsburg R. Co. plans to construct office building. About $200,000. Architect not selected.

Neb., Hastings—Dormitory — Hastings College having plans prepared by Miller, Fullenwider & Dowling, archts., 6 North Michigan St., Chicago, for 4 story, 70 x 109 ft., rein.-con., brick and stone. About $150,000.

S. D., Mitchell—Hospital—J. M. Brady, chn. Building Comn. of St. Josephs Hospital rejected bids received July 25, building 5 story, 66 x 155 ft. rein.-con., brick, tile and stone. About $300,000. E. H. Lundie, 530 Endicott Bldg., St. Paul, Minn., archt. Noted May 12.

Mo. Belton—High School—Bd. Educ., c/o E. K. George, pres., having plans prepared by J. H. Felt & Co., archts., Temple Bldg., Kansas City, for 2 story, 90 x 111 ft. rein.-con., brick and stone. About $150,000.

Mo., Kansas City—Church—St. Vincent's Roman Catholic Church having plans prepared by M. Carroll, archt., 3117 Flora Ave., for 2 story, 40 x 200 ft., brick, stone and steel, on 31st and Flora Ave. About $150,000.

Mo., St. Louis—Apartment—D. Caffarata, c/o J. D. Paulus, archt., 4729 Northland Ave., having plans prepared for 3 story, 75 x 85 ft. concrete and brick at 6700 Delmar St. About $150,000.

Ark., Hot Springs — Apartment — J. A. Cameron, Waukesha Hotel, plans to build 3 story, 58 x 150 ft. About $175,000. Architect not selected.

Okla., Muskogee—Church — Presbyterian Church having plans prepared by R. H. Hunt, archt., South West Life Bldg., Dallas, Tex., for 3 story, rein.-con., brick and stone. About $180,000.

Okla., Oklahoma City—Club—Oklahoma Club having plans prepared by Hawk & Parr, archts., 501 Security Bldg., for 6 story, 100 x 120 ft., rein.-con., brick and stone, rein.-con. flooring, at 2046 Grand St. About $300,000. Noted Feb. 10.

Okla., Tulsa—Hotel—H. Brockman having plans prepared by Van Sicien & Edelvard, archts., 319 South Detroit St., for 10 story, 52 x 90 ft. rein.-con., brick and steel, rein.-con. flooring, rock and concrete foundation. About $324,000.

Okla., Tulsa — Temple — Akdar Temple Corp., 704 Cosden Bldg., plans to build shrine temple on 4th and Denver Sts. About $500,000. A. C. Farmer, pres. Architect not selected.

N. S., Halifax—Office—Maritime Telephone & Telegraph Co. plans to build 5 story office and warehouse. About $160,000. J. A. Winfield, Halifax, genl. mgr.

Ont., Galt—Arena — Galt Athletic Assn. having plans prepared by G. A. Bodley, archt., Brantford, and soon receives bids building 200 x 280 ft. brick and steel, in park. About $200,000.

Ont., Walkerville—School—School Bd. having plans prepared by Watt & Blackwell, archts., Bank of Toronto Bldg., London, for 24 room school on Kildare Rd. About $450,000.

BIDS DESIRED

Mass., Gardner — Graded School — Until Aug. 8, by City Bldg. Comn., constructing 2 story, 70 x 110 ft., brick and steel, rein.-con. flooring, concrete foundation, on Prospect St. About $150,000. F. I. Cooper Corp., 33 Cornhill St., Boston, archts. Noted June 3.

D. C., Wash.—Apartment—Until Aug. 10, by F. R. White, archt., 1410 G St., N. W., building on 18th and I Sts., N.W. About $150,000. Owner's name withheld.

Pa., Phila.—Church and Parish House—Until Aug. 15, by P. Merz, archt., Pennsylvania Bldg., constructing 2 story, 70 x 148 ft. rein.-con., brick and steel, rein.-con. floring, concrete foundation, on Broad and Chelten Aves., for St. Marks Lutheran Church, c/o J. J. Schindel, 1314 Spring Garden St. About $250,000.

Pa., Williamsport—Until Oct. 1, by Martin Kilpatrick, archts., 130 South 15th St., Phila., building 5 story, 150 x 175 ft., brick and stone, rein.-con. flooring, rock foundation, on Elmira and 4th Sts., for Y. M. C. A., c/o E. H. Davis, Williamsport. About $400,000 Noted May 26.

Tenn., Nashville—Office—Until Aug. 16, by Methodist Episcopal Church Bd. of Missions, building 3 story rein.-con. and brick addition on Doctors Bldg., on Church St. About $250,000. Daugherty & Gardener, Stahlman Bldg., archts. Noted July 7.

O., Alliance—High School—Until Aug. 8, by Bd. Educ. building 2 story, brick, steel and concrete addition, rein.-con. flooring, brick and concrete foundation. About $250,000. F. L. Packard, Hayden Bldg., Columbus, archt.

O., Bascom—School—Until Sept. 1, by J. O. Rembolt, clk. Bd. Educ. Hopewell Twp., building 2 story, 73 x 88 ft. concrete and brick. About $150,000. O. D. Howard, 8 East Broad St., Columbus, archt.

O., Cleveland — Commercial — Frankel Light Co., 5016 Woodland Ave., receiving bids building 4 story, 66 x 154 ft., brick and timber, on West 6th St. and St. Clair Ave. About $150,000. A. Sogg, 319 Hippodrome Bldg., archt.

O., Cleveland—School Bldg. Additions—Until Aug. 29, by Bd. Educ., East 6th St and Rockwell Ave., building 1 story, 100 x 120 ft. addition to school on University Circle, 2 story, 35 x 217 ft. addition to school on Rawlins Ave. and East 79th St., both rein.-con., brick and steel, rein.-con. flooring, brick and concrete foundations About $200,000 and $300,000 respectively. F. Hogan, dir. W. R. McCornack, East 6th St. and Rockwell Ave., archt.

O., Cleveland—High School—Until Aug. 22, by Bd. Educ., building two 3 story, 40 x 140 ft. wings to High School on Parkwood Dr. and Everton Ave., brick, steel and concrete, rein.-con. flooring, brick and concrete foundations. About $250,000. F. S. Hagen, dir. W. R. McCornack, East 6th St. and Rockwell Ave., archt.

O., Cleveland—Schools—Until Aug. 29, by Bd. Educ., East 6th St. and Rockwell Ave., constructing 3 story, 160 x 300 ft., on Diana and Darley Aves., about $500,000; 3 story, 160 x 300 ft., on Broadview and Spring Rds., $500,000; 1 story, 150 x 201 ft. on East 116th St., $400,000; 3 story, 226 x 400 ft. High School on East 166th St. and Corbett Ave., $1,000,000; all brick, steel and concrete, rein.-con. flooring, brick and concrete foundations. W. R. McCormack, East 6th St. and Rockwell Ave., archt.

O., Elyria—High School—Until Aug. 9, by Bd. Educ., building 2 story, 82 x 121 ft., brick, steel and concrete, rein.-con. flooring, concrete foundation. About $250,000. R. S. Silsby, Lorain Co. Bank Bldg., archt.

O., Elyria—School—Until Aug. 9, by Bd. Educ., building Roosevelt School, 2 story, brick, concrete and steel, concrete foundation, on Western Heights. About $225,000. Phegley & Szekeley, 5716 Euclid Ave., Cleveland, engrs. R. S. Silsby, 901 Lorain County Bank Bldg., archts. Noted June 30.

O., Ravenna—High School—Until Sept. 9, by Bd. Educ. building 2 story, 110 x 225 ft. About $375,000. O. D. Howard, 8 East Broad St., Columbus, archt.

Ind., Indianapolis—Church — Tabernacle Presbyterian Church, 11th St. and Meriden Circle, receiving bids building 1 story, brick, steel and stone. About $200,000. J. W. Corbusier, Lennox Bldg., Cleveland, archt. Noted March 17.

Ind., Mt. Vernon—Memorial—Until Aug. 30 (change of date), by Bd. Comrs. Posey Co., building 2 story, 130 x 140 ft., brick and tile, rein.-con. flooring. About $200,000. O. E. Werking & Son, Palladium Bldg., Richmond, archts. Noted June 16.

Buildings (Continued)

Ind., North Judson—School—Until Aug. 16, by Bd. School Comrs., building 2 story, 124 x 160 ft., brick and rein.-con., rein.-con. flooring. About $160,000. Freyermuth & Maurer, 308 South Michigan St., South Bend, archts. Noted May 5.

Ill., Kankakee—Armory—Until Aug. 15, by E. D. Martin, archt., 304 South Wabash Ave., Chicago, building 1 and 2 story, 147 x 166 ft., brick and rein.-con., here, for State, c/o Adjutant Gen. Dickson, Springfield. About $200,000. Noted June 16.

Ia., Le Mars—Hospital—Until Aug. 10, by W. L. Steele, archt., United Bank Bldg., Sioux City, constructing 4 story, rein.-con., brick, stone and tile, on North Park St., for Sacred Heart Hospital Assn.

Kan., Wichita—Theatre and Store—Until Aug. 9, by C. W. and G. Rapp, archts., 190 North State St., Chicago, building 3 story, 140 x 150 ft., rein.-con. and steel, on North Lawrence St., for Miller Amusement Co., c/o L. M. Miller, Palace Theatre, 311 East Douglas St. About $600,000.

Okla., El Reno—School—Layton, Smith & Forsyth, archts., 701 Majestic Bldg., Oklahoma City, receiving bids building 2 story, rein.-con., brick and steel, rein.-con. flooring, concrete foundation, for Bd. Educ. About $212,000. Noted June 30.

Ont., Hamilton—School—Until Aug. 9, by R. H. Foster, secy.-treas. Bd. Educ., building 3 story, 35 room, rein.-con., on Lottridge St. About $400,000. W. G. Brown, Provident Loan Bldg., archt. Noted April 14.

PRICES AND CONTRACTS AWARDED

(★Indicates contract awarded

★**Mass., Gloucester**—School—Bd. Educ. let contract building 3 story, 66 x 95 ft. brick, concrete foundation, on Dale Ave., to J. J. Bowes Co., 27 School St., Boston. About $151,000. Noted Feb. 10.

★**Mass., Somerville** (Boston P. O.)—Theatre—J. E. Locatelli, 78 Belmont St., will build 4 story, 70 x 125 ft., brick and steel, on Highland and Central Aves. Work will be done by day labor.

★**Mass., Wellesley Hills**—Club House and Theatre—R. W. Babson Statistical Organization let contract building 2 and 3 story, 59 x 126 ft., brick and steel, to W. Keller, 174 Webster St. About $150,000. Noted May 26.

★**Mass., Woburn**—School—Bd. Educ. let contract building 1 story, 100 x 100 ft., brick, concrete foundation, to C. S. Cunningham & Sons Co., 80 Boylston St., Boston, $127,800. Noted June 30.

★**Conn., Norwich** — Church — St. Marys Catholic Church, 70 Central Ave, let contract building 1 story, 60 x 130 ft., stone, brick and steel, concrete foundation, on Central Ave, to Carroll & Fenton, 2 Oak St. About $125,000. Noted Mar. 3.

★**Conn., Stamford**—Exchange — Southern New England Telephone Co., 114 Court St., New Haven, let contract building 3 story, 61 x 80 ft., brick, concrete, stone and steel, rein.-con. flooring, concrete foundation, on Main St., here, to T. J. Paroy Constr. Co., 1481 Seaview Ave., Bridgeport. About $150,000. Noted May 5.

★**Conn., Warehouse Point**—Home—Hartform Co. Home let contract building 1 story, 40 x 60 ft. brick and steel dining building, two 2 story 40 x 150 ft. brick and steel dormitories and two 1 story, 36 x 65 ft. frame structure, concrete foundations, to H. W. Lines Co., 134 State St., Meriden. About $200,000. Noted July 14.

★**N. Y., Brooklyn**—Apartments—Twenty-Sixth St. Corp., c/o Shampan & Shampan, archts. and engrs., 50 Court St., will build two 50 x 100 ft., brick, steel and stone, concrete foundations, on 82d and 20th Ave. and 81st. and 20th Ave. About $200,000 each. Work will be done by day labor.

★**N. Y., Brooklyn**—Apartment—Argonne Constr. Co., c/o Shampan & Shampan, archts., 50 Court St., will build 100 x 100 ft. brick, steel and stone, concrete foundation, on 85th St. and 20th Ave. About $200,000. Owner will build by day labor.

★**N. Y., Buffalo** — Club House — Saturn Club, Delaware Ave., let contract building 3 story, 150 x 200 ft. brick and sandstone, to R. E. Williams, Iroquois Bldg. About $300,000. Noted March 31.

★**N. Y., New York** — Apartment — J. Diechel Bldg. Co., c/o C. Kreymborg, archt. and engr., 2534 Marion Ave., will build 5 story, 75 x 100 ft., brick, steel and stone, concrete foundation, on Crotona Park N. near Prospect Ave. About $175,000. Owner will build by day labor.

★**N. Y., New York** — Apartment — Evra Holding Co., 870 Kelly St., will build 5 story, 82 x 100 ft., brick, steel and stone, on Grand Concourse near Fordham Rd., Bronx. About $150,000. I. Rosenfeld, pres. Work will be done by day labor. C. Kreymborg, 2534 Marion Ave., Bronx, archts. and engrs.

★**N. Y., New York**—Apartment—Shirenson Realty Corp., c/o C. Kreymborg, archt. and engr., 2534 Marion Ave., will build 5 story, 80 x 90 ft., brick, stone and steel, concrete foundation, on Valentine Ave. and 197th St. About $150,000. L. Sheren, pres. Work will be done by day labor.

★**N. Y., New York**—Apartment—Weewin Constr. Co., c/o E. Roth, archt. and engr., 119 West 40th St., will build 5 story, 110 x 180 ft., brick, steel and stone, concrete foundation, on 179th St. and University Ave. About $200,000. Owner will build by day labor.

★**N. Y., New York**—Bank—United States Mortgage & Trust Co., 950 Madison Ave., let contract building 3 story, brick and stone, concrete foundation, on Madison Ave. and 74th St., to Clough-Bourne Constr. Co., 101 Park Ave. About $500,000.

★**N. Y., New York**—Office—Bar Assn., c/o H. C. Severance, archt. and engr., 372 Lexington Ave., let contract building 16 story, brick, steel and stone, on West 44th St., to C. L. Fraser, 372 Lexington Ave. About $750,000. Noted March 17.

N. Y., Perrysburg—Hospital—Commission of Buildings, Municipal Bldg., Buffalo, received bids for sundry alterations and additions to present buildings, also for construction of various new buildings, from Harding & Crea, White Bldg., Buffalo, $654,000; C. H. Everitt, 295 Auburn Ave., Buffalo, $715,590; Tifft Constr. Co., Iroquois Bldg., Buffalo, $748,700. Noted July 21.

★**Pa., Phila.**—Sales, etc.—Hurley Motor Co., 219 Broad St., let contract constructing 10 story, 80 x 100 ft. sales and service building, rein.-con., brick and steel, rein.-con. flooring, concrete foundation, at 219 Broad St., to W. Steele & Son, 16 and Arch Sts. About $300,000.

★**W. Va., Welch** — School — Bd. Educ. Browns Creek Dist. let contract building 3 story, 70 x 140 ft., concrete, brick and steel, rein.-con. flooring, near here, to H. A. Lucas, Bluefield. About $175,000.

★**W. Va., Williamson**—High School—Bd. Educ. let contract constructing 2 story, brick and steel high school, and repairing and constructing additions to 3 other buildings, to West Bros., Wilkinsburg, Pa. About $150,000.

★**O., Wadsworth**—Schools—Bd. Educ. let contracts building 2 story, 66 x 66 ft., and 1 story, 24 x 84 ft., brick and concrete, to Carmichael Constr. Co., 524 Hamilton Bldg., Akron. About $159,000.

★**O., Xenia**—High School—Bd. Educ. let contract building 2 story, 128 x 250 ft., brick and concrete, on Church St., to Industrial Building Co., 757 Reibold Bldg., Dayton, $283,000.

★**O., Xenia**—High School—Bd. Educ. let contract building Lincoln School, 2 story, 117x 120 ft. brick and concrete, on Market St., to Industrial Bldg. Co., 798 South Jefferson St., Dayton. About $133,000. Noted June 2.

★**Ind., Carmel**—School—B. Evans, trustee, let contract buildng 2 story, 95 x 120 ft., brick, rein.-con. flooring, to Bower Constr. Co., Newcastle. About $160,000. Noted June 30.

★**Ind., Kokomo**—Lodge — Masonic Temple Assn. let contract building 5 story, 70 x 110 ft., brick, rein.-con. flooring, to English Bros., Church and Randolph Sts., Champaign, Ill. About $205,000. Noted June 16.

★**Wis., Park Falls**—Church, School and Rectory—St. Anthony Catholic Congregation let contract building 2 story, 112 x 160 ft. and 30 x 70 ft., brick and concrete, rein.-con. flooring, concrete foundation, to Schneider Constr. Co., Madison and Farwell St., Eau Claire. About $150,000.

★**Ia., Belle Plaine** — High School — Bd. let general contract building 2 story, 125 x 135 ft. rein.-con., brick and tile, to J. Park Co., Belle Plaine, $108,575. Noted July 7.

★**Minn., Minneapolis**—Music—State Bd. Control, c/o D. F. Mullen, secy., Capitol St. Paul, let general contract building 3 story, 95 x 160 ft., rein.-con., brick, stone and tile, on State University Campus, to R. J. Cheney & Co., 311 South 7th St., $181,780; heating, to Belden, Porter & Gray, 914 La Salle Ave., $32,918. Noted July 21.

★**Minn., Virginha** — Grade School — Bd. Educ. let contract building 3 story, 58 x 215 ft., rein.-con., steel and brick, rein.-con. flooring, concrete foundation, on 3d St., to Naufits & Bergstrom, 416 Columbia Bldg., Duluth, $218,900. Noted July 14.

★**Mont., Helena**—Schools—Bd. Educ. let general contracts building Central School, to I. T. Brown & Co., Butte, $68,669; Hawthorne School, to R. C. James, 314 Chaucer St., Helena, $132,374. Both 2 story, rein.-con., brick, stone and tile. Noted May 5.

★**Mo., Kansas City**—Mausoleun—Kansas City Mausoleun Co., Bryant Bldg., let contract building 2 story, 75 x 135 ft., rein.-con., stone and Georgia marble, at Forest Hill Cemetary, to Pratt-Thompson Constr. Co., Republic Bldg. About $590,000.

★**Mo., St. Louis**—Laboratory—St. Louis University, c/o W. Robinson, Grand and Pine Sts., let contract building 3 story, brick and rein.-con., on Grand and Carolina St., to Widmer Engr. Co., Syndicate Trust Bldg.

★**Okla., Pryor**—State School—State Bd. Pub. Affairs, Oklahoma City, let contract building 2 story, 80 x 120 ft., rein.-con., brick and stone, to Manhattan Constr. Co., 3d and Fondulac Sts., Muskogee. About $175,000.

★**Wash., Seattle**—Bank—Seattle Natl. Bank, 2nd Ave and Columbia St., let contract building 2 story, 120 x 120 ft., concrete and steel, to Pacific States Constr. Co., 1300 Railroad Blvd. About $165,000. Noted May 12.

★**Ont., Hamilton**—School—Bd. Educ. let contracts building 4 story technical school, rein.-con. and brick, rein.-con. flooring, concrete foundation, on Wentworth St., general, to W. E. Wood Constr. Co., 87 Sandwich St., Walkerville; heating, ventilating and plumbing, to A. Clark, 7 Main St. W.; electric, to Electric Supply Co. Ltd., 65 James St. S. Total cost $700,000. Noted July 7.

★**Ont., Sault Ste. Marie** — School — Bd. Educ. let general, heating and plumbing contracts for 3 story, 120 x 138 ft. concrete, brick and steel, concrete foundation, on Tancred and Wellington Sts., to Mitchell & Cooper, Adams Blk. $225,000; electric contract, to Rapid Electric Co., 725 Queen St. E. Total cost $350,000.

★**Ont., Toronto** — School — Bd. Educ. let following contracts building 2 story, 10 room, rein.-con., brick and steel, rein.-con. flooring, concrete foundation, on Dufferin St.; masonry, to Gratton Ltd., 486 Clinton St., $57,277; carpentry, to F. Armstrong, 89 Oak St., $20,774; heating and plumbing, to Purdy-Mansell Ltd., 63 Albert St., $9,690, etc. Total cost $150,000. Noted June 23.

Federal Government Work

PROPOSED WORK

N. Y., New York—Dredging—Spec. 4505—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to dredge in harbor, here.

N. J., Lake Denmark—Power Plant Improvements, etc.—Spec. 4501—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to improve power plant and fire protection system, here.

Va., Yorktown—Power House, etc—Spec. 4498—Bureau Yards & Docks, Navy Dept., Wash., D. C. plans to construct power house, dispensary, reservoir and railroad siding, here.

Tex., Ft. Bliss—Buildings—Constructing Quartermaster, plans to construct various buildings here.

Federal Government Work (Continued)

Mex., Ft. Bayard—Hospital—Treas. Dept., Wash., D. C., plans to construct, here. J. A. Wetmore, superv. archt.

H. T., Pearl Harbor—Storehouse—Spec. 4504—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to build 1 story, here.

BIDS DESIRED

Md., Baltimore—Riprap—Until Aug. 9, by Supt. Lighthouses, Baltimore, furnishing and placing riprap at Tangier Sound Light Sta., Va.

Md., Baltimore—Riprap—Until Aug. 9, by Supt. Lighthouses, Room 329, Custom House, furnishing and placing 500 ton riprap at Windmill Point, Light Sta., Va.

Md., Baltimore—Riprap—Until Aug. 16, by Supt. Lighthouses, furnishing and placing riprap at Choptank River, Light Sta,

D. C., Bellvue—Chimney—Spec. 4483—Until Aug. 17, by Bureau Yards & Docks, Navy Dept., Wash., D. C., constructing, here. Noted July 21.

D. C., Wash.—Building—Until Aug. 23, by Secretary Dept. of Interior, for (1) constructing home economics building and dining hall at Howard University, (2) installation heating, plumbing and gas, (3) electrical installation, (4) furnishing, erecting and painting structural steel and iron work; $25 deposit required for plans.

Va., Norfolk—Buildings—Until Aug. 22, by Treas. Dept., Wash., D. C., constructing (exclusive of mechanical equipment) main hospital, residence for officer in charge, nurses' and attendants' quarters, laundry, garage and boiler house, at U. S. Public Health Serv. Hospital, Tanner's Creek, here. J. A. Wetmore, acting superv. archt.

Va., Norfolk—Hospital—Until Aug. 17, by Treas. Dept., Wash., D. C., for construction and mechanical equipment for U. S. Pub. Health Serv. Hospital, here. J. A. Wetmore, acting superv. archt.

Va., Yorktown—Water, Sewer and Drainage Systems—Spec. 4449—Until Aug. 10, by Bureau of Yards & Docks, Navy Dept., Wash., D. C., constructing at Navy Mine Depot, here. C. W. Parks, ch. of Bureau.

Va., Yorktown—Water Tanks and Towers—Spec. 4357—Until Aug. 10, by Bureau of Yards & Docks, Navy Dept., Wash., D. C., constructing, here.

Fla., Lake City—Hospital—Until Aug. 30, by Treas. Dept., Wash., D. C. for construction and mechanical equipment for U. S. Pub. Health Serv. Hospital, here. J. A. Wetmore, acting superv. archt.

Mich., Detroit—Dredging—Until Aug. 31, by U. S. Engineer Office, dredging in St. Clair Flats Canal channels; advertised in this issue.

Wis., Appleton—Mezzanine Floor, etc.—Until Aug. 19, by Treas. Dept., Wash., D. C., furnishing materials and labor constructing, in U. S. Post Office, here. J. A. Wetmore, superv. archt.; advertised in this issue.

Tenn., Memphis—Cement—Until Aug. 11, by Mississippi River Comn., 1st and 2d Distrs., Custom House furnishing and delivering 20,000 sacks portland cement; advertised in this issue.

PRICES AND CONTRACTS AWARDED

(★Indicates contract awarded)

N. Y., Iona Island—Power Plant Improvements—Spec. 4215—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids constructing at Ammunition Depot, here, from Lord Constr. Co., 105 West 40th St., New York City, $20,939 (150 days); Jaehnig & Peoples, 223 13th St., Newark, N. J., $22,683 (65 days); J. R. Proctor, Inc., 120 Liberty St., New York City, $22,880. Noted July 14.

★**N. Y., New York**—Fire Alarm System—Spec. 4470—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract installing fire alarm and watchman's signal systems, here, to Michigan Auxiliary Fire Alarm Co., 4108 Woodward Ave., Detroit, Mich., $3414 (90 days). Noted July 28.

Pa., Pittsburgh—Lock-Valves—U. S. Engineer received bids furnishing and delivering for Lock 5, Allegheny River, from Variety Iron & Steel Wks. Co., 1227 East 40th St., Cleveland, O., $4,477; J. and J. B. Milholland Co., 714 5th Ave., $4,995; Ellicott Machine Corp., Bush and Severn Sts., Baltimore, $5,652. Noted July 7.

★**D. C., Wash.**—Roof—Treas. Dept. let contract building new roof on Treas. Dept. Bldg. to M. Serretto, 3 Tremont Row, Boston. About $190,000.

★**Va., Quantico**—Storage Building—Spec. 4467—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract building at incinerator plant, here, to Claiborne & Taylor Inc., Richmond Trust Bldg., Richmond, $15,500 (120 days). Noted July 14.

★**Ill., Ft. Sheridan**—Jetties and Pier—U. S. Government let contract constructing 10 jetities and repairing pier, here, to Sollitt Co., 79 East Adams St., Chicago. About $35,000.

★**Okla., Pawhuska**—Office—U. S. Government, c/o G. Wright, let contract building 3 story, 48x80 ft. native stone and rein.-con., to M. F. Herber, 8th and Okmulgee Sts., Muskogee. About $150,000.

Cal., San Diego—Sprinkler System—Spec. 4466—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids installing in storehouse, Naval Base, here, from Western Automatic Sprinkler Co., 1031 Van Nuys St., San Francisco, $18,380 (180 days); Grinel Co. of Pacific, 439 3d St., Los Angeles, $19,500 (150 days); Pacific Fire Extinguisher Co., 440 Howard St., San Francisco, $19,925 (150 days). Noted July 7.

★**Cal., San Diego**—Lawn Sprinkler System—Spec. 4471—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract installing at Naval Base, Marine Barracks, here, to W. C. Merritt Co., 727 7th St., San Diego, $3,889. Noted June 23.

Miscellaneous

PROPOSED WORK

Tunnel—Springfield, Mass.—Boston & Albany R.R., South Sta., Boston, will draw plans for concrete and steel tunnel, under Union Station, here. Cost between $25,000 and $30,000. F. B. Freeman, ch. engr.

Drill, Hoisting Engines and Derrick—Lyons, N. Y.—F. H. Wells is in the market for double drill, hoisting engines and boiler, and 1 stiff leg derrick complete.

Ratproofing Sheds—New Orleans, La.—City having plans prepared by Eng. Dept. Bd. Port Comrs. for ratproofing sheds and wharves on 8th and Harmony, St. Andrews and Celeste Sts. As soon as plans are completed such portions of work that cannot be done by Dock Bd. force will be advertized and given out by contract. Concrete work for 8th St. shed estimated at $50,000, Celeste St., $106,000, St. Andrew, $30,000.

Street Sweeper, etc.—Houston, Tex.—T. L. Waugh, Street and Bridge Comr., plans to purchase 3 street sweepers, about $7,300 each, and 10 ton road roller, 5,475.

Lighting System—Ridgetown, Ont.—Howard Twp. plans to build electric lighting and power distribution system. G. McDonald, clk. A. Lawlor, 190 University Ave., Toronto, engr.

BIDS DESIRED

Center Bearings, etc.—New Haven, Conn.—Until Aug. 15, at office of E. S. Nettleton, city engr., 18 City Hall, furnishing and delivering center bearings, track segments, bogie wheels, etc., for Ferry St. Bridge; advertised in this issue.

Cargo Shed and Bulkhead—Wilmington, Del.—Until Aug. 15, by Harbor Comn., building 120 x 500 ft. cargo shed and 250 ft. bulkhead. About $300,000. Bids will be asked of former bidders or Wilmington marine terminals. J. F. Meigs, 1112 Chestnut St., Phila., Pa., engr.

Inspection Shed—Brooklyn, N. Y.—Until Aug. 16, by Transit Comn., 49 Fafayette St., New York City, building inspection shed at Livonia Ave. yard.

Paving Blocks—New York, N. Y.—Until Aug. 9, by H. H. Curran, pres. Manhattan Boro, Municipal Bldg., furnishing and delivering 5,500 sq.yd. wood paving blocks.

Ferry Landing, etc.—Palmyra, N. J.—Until Aug. 26, by Tacony-Palmyra Ferry Co., Liberty Bldg., Phila., building timber and concrete ferry landing or wharf, 60 ft. wide, 180 ft. long, with appurtenant bridge rack, etc. at foot of Cinnaminson Ave. here J. Meigs, 1211 Walnut St., Phila., consult. engr.

Incinerator—Philadelphia, Pa.—Until Aug. 26, by city, building incinerators; F. H. Craven, dir.; advertised in this issue.

Heating System—Wash., D. C.—Until Aug. 10, by Dist. Comrs., 509 Dist. Bldg., furnishing and installing complete 2 pipe vacuum heating system in Gallinger Hospital, on 19th St. and Massachusetts Ave. C. H. Rudolph, comr.; advertised in this issue.

Asphalt Plant and Steam Roller—Norfolk, Va.—L. F. Hobbs, Inc., 115 East 12th St., is in the market for 3 unit portable asphalt plant, 1,250 yd. capacity, also 3 ton 3 wheel steam roller.

Pipe and Special Castings—Milwaukee, Wis.—Until Aug. 10, by Central Bd. Purchases, furnishing 3,510 ton straight pipe and 343 ton special castings for water dept.

Sewer Pipe—Milwaukee, Wis.—Until Aug. 10, by Comr. Pub. Wks., furnishing 15,255 ft. 8-30 in. sewer pipe. About $35,000. G. Staal, city engr.

Road Machine—West Allis, Wis.—Until Aug. 8, by A. Wichner, secy. Bd. Pub. Wks., furnishing machine to maintain dirt roads (grader operating under own power or equivalent).

Truck—Franklin (R. F. D. Virginia), **Minn.**—Until Aug. 8, by village, c/o W. Weaver, clk., furnishing 1 truck, combination stake and dump body, capacity 2 or 2.5 ton.

Pipe—Montreal, Que.—Until Aug. 9, by Chairman Administrative Comn. furnishing 100 ton c.i. pipe. About $7,500. A. E. Doucet, dir. pub. wks.

Breakwater—Ft. William, Ont.—Until Aug. 26, by R. C. Desrochers, secy. Dept. Pub. Wks., Ottawa, building rubble mound extension to Mission River breakwater. About $35,000.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Coal Pockets and Coal Handling Platforms—Glastonbury, Conn.**—A. E. Phelps, Main St., let contract building concrete coal pocket and coal handling platforms, etc., to L. Sellew, South Glastonbury. About $25,000.

★**Grandstand—Waterbury, Conn.**—Waterbury Baseball Assn., c/o C. A. Templeton, 13 East Main St., let contract building at Eastern League Ball Park, to Tracy Bros. Co., Benedicts St. About $25,000. Noted June 23. Private plans.

★**Storage Tanks—Fall River, Mass.**—New England Oil Co., Peat St., let contract building ten steel storage tanks on concrete foundations, to Chicago Bridge & Iron Wks., 3111 Hudson Terminal Bldg., New York City. About $60,000.

Piers—Phila., Pa.—G. F. Sproule, dir. Dept. Wharves, Docks & Ferries, 550 Bourse Bldg., received bids removing old piers, dock, etc., dredging and constructing piles, platforms, buildings, etc., from Snare & Triest, Weightman Bldg., $554,500; Armstrong & Latta, Land Title Bldg., $621,240; McLean Constr. Co., Fidelity Bldg., Baltimore, Md., $660,000. Noted July 14.

★**Cast Iron Pipe—St. Petersburg, Fla.**—City let contract furnishing 10,000 ft. 4 in., 27,800 ft. 6-16 in., and 750 ft. 24 in. c.i. pipe for watermains, to Amer. Cast Iron Pipe Co., Birmingham, Ala., $41,074.

★**Water Pipe and Gate Valves—Milwaukee, Wis.**—Central Bd. Purchases let contract furnishing 275 ton Class C 16 in. water pipe, to Natl. Cast Iron Pipe & Fdry. Co., Tarrant City, Birmingham, Ala., $12,196; twelve 16 in. gate valves, to Nelson Valve Co., 650 West Lake St., Chicago, $1,481. Noted July 21.

Sluice Gates—Los Angeles, Cal.—Bd. Supervs. Los Angeles Co. received bids July 18 furnishing two 7 ft. steel sluice gates, 20 ton capacity each, for Devils Gate Dam, from Enterprise Brass Fdry. Co., 968 McGarry St., $19,579; J. Hendy Iron Wks., Los Angeles, $19,850; Llewellyn Iron Wks., Main and Redondo Sts., $24,567. Noted July 14.